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PLAN REFERENCE NO.

SHEET OF SHEETS

NOTE: ALL SHEET REFERENCES, FIRST NOS. OF STRUCTURE CODE DESIGNATIONS AND MATCH LINE SHEET REFERENCES, ETC., THROUGHOUT THE PLANS, REFER TO THE ENTRY IN THE PLAN REFERENCE NUMBER BOX.

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_&_XL6261_PS_01_IN.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	4:43:49 PM				10	WASH	
DATE	11/16/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	C. LEE				CONTRACT NO.		LOCATION NO.
ENTERED BY	C. LEE						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

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Plot 2

PLAN REF. NO. IN2

SHEET 105 OF 240 SHEETS

PROJECT LICENSED PROFESSIONAL CERTIFICATES

Bijan Khaleghi Nov 30, 2021 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	Michael Rosa Nov 30, 2021 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	Harvey L. Coffman Nov 30, 2021 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	Adam Emerson Nov 30, 2021 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.
AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.
AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.

NOTES:

THIS PLAN SET WAS DEVELOPED ELECTRONICALLY UNDER THE DIRECT SUPERVISION OF THE LICENSED PROFESSIONALS THAT HAVE AFFIXED THEIR SIGNATURE TO THIS PAGE.

THIS SHEET SERVES AS THE CERTIFICATION BY THE ABOVE LICENSED PROFESSIONALS OF ALL SHEETS IN THIS PLAN SET WHERE THEIR STAMPS AND SIGNATURES APPEAR.

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_02_CT.dgn
TIME	2:34:19 PM
DATE	11/16/2021
PLOTTED BY	leec
DESIGNED BY	C. LEE
ENTERED BY	C. LEE
CHECKED BY	C. ANDERSON
PROJ. ENGR.	C. WINNINGHAM
REGIONAL ADM.	M. COTTEN

REVISION	DATE	BY

REGION NO. 10 STATE WASH FED.AID PROJ.NO.

JOB NUMBER 21A012

CONTRACT NO. LOCATION NO.

DATE P.E. STAMP BOX

DATE P.E. STAMP BOX

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

CERTIFICATION SHEET

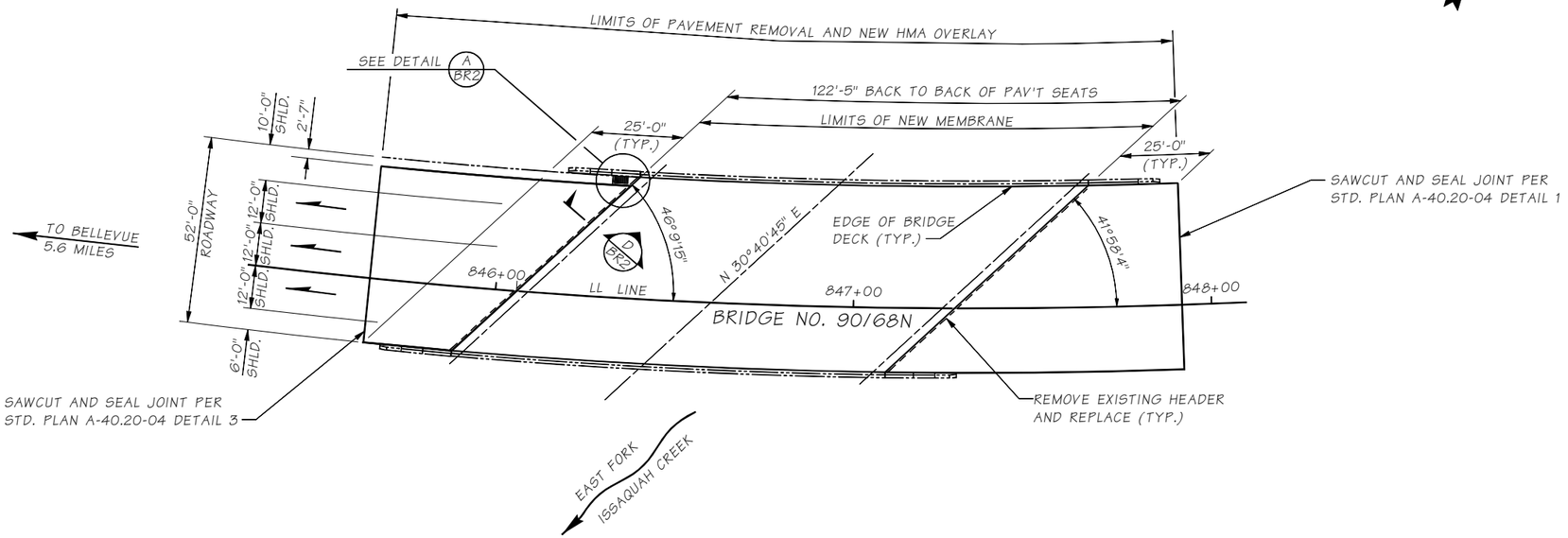
Plot 2

PLAN REF NO CT2

SHEET 106 OF 240 SHEETS

SEC. 27, T.24N., R.6E. W.M.
CITY OF ISSAQUAH

I-90



PLAN

GENERAL NOTES

1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION-ENGLISH, DATED 2022.
2. EXISTING FEATURES AND DIMENSIONS ARE BASED ON INSPECTION REPORTS AND AS-BUILT PLANS. ALL DIMENSIONS SHALL BE FIELD MEASURED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND PROCEEDING WITH CONSTRUCTION.
3. ADJUST APPROACH SLAB GRADE AND PROFILE TO PROVIDE A SMOOTH TRANSITION BETWEEN CONCRETE BRIDGE DECK AND REMAINING APPROACH ROADWAY.
4. SEE SHT. BR6 FOR BRIDGE CONSTRUCTION LOAD RESTRICTIONS PAVEMENT REMOVAL.
5. SEE SHT. BR7 FOR BRIDGE CONSTRUCTION LOAD RESTRICTIONS HMA PAVING

LEGEND

B / 15 — IDENTIFIES SECTION, VIEW OR DETAIL
TAKEN OR SHOWN ON BRIDGE SHEET 15
B / — TAKEN OR SHOWN ON THE SAME SHEET

OVERLAY REQUIREMENTS
BRIDGE NO. 90/68N

REMOVE 0.15' OF EXISTING HMA OVERLAY
PLACE NEW WATERPROOF MEMBRANE AND
0.15' HMA OVERLAY

SR FILE NO. SHEET BP1

Bridge Design Engr.	Khaleghi, B	M:\W-Team\I-90 WB E SUNSET WAY TO E FK ISSAQUAH WAY\window files\LAYOUT.WND				REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Rosa, MA					10	WASH.			
Designed By	Phillips, D 05/21					JOB NUMBER 21A012				
Checked By	Rosa, M 05/21					CONTRACT NO.				
Detailed By	Lemcke, DR 05/21									
Bridge Projects Engr.										
Prelim. Plan By										
Architect/Specialist		DATE	REVISION	BY	APP'D					

P.E. STAMP BOX — SEE SHEET CT2 DATE:

BRIDGE AND STRUCTURES OFFICE

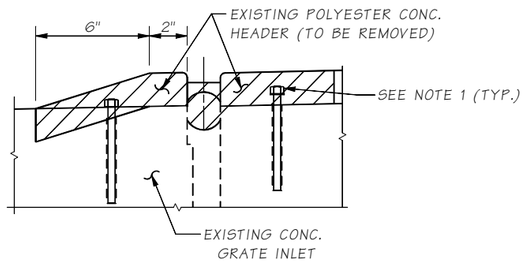
P.E. STAMP BOX — BIJAN KHALEGHI, STATE OF WASHINGTON, 27695, STRUCTURAL ENGINEER, PROFESSIONAL ENGINEER — SEE SHEET CT2 DATE:

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY
E FK ISSAQUAH CREEK BRIDGE NO. 90/68N
LAYOUT

BRIDGE SHEET NO. BR1
SHEET 107 OF 240 SHEETS

Wed Nov 17 09:22:10 2021



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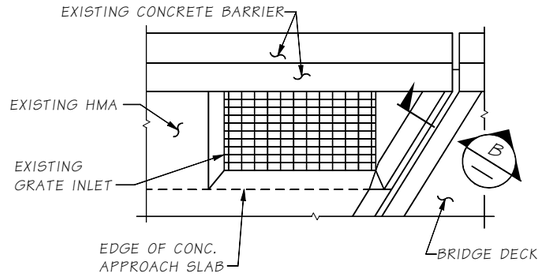
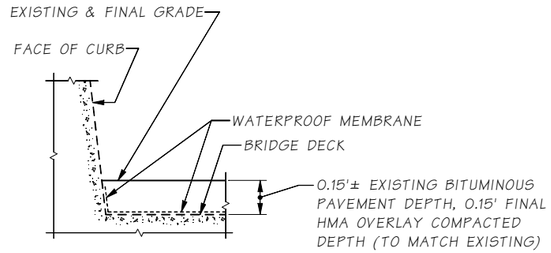


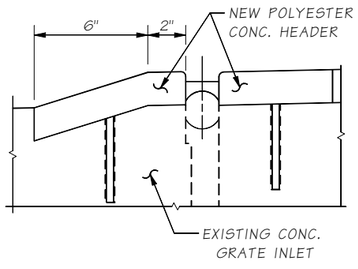
DETAIL A — BR1

NOTES:

1. CUT EXISTING ⅜" RESIN BONDED ANCHORS FLUSH WITH EXISTNG BIDGE DECK.



TYPICAL SECTION



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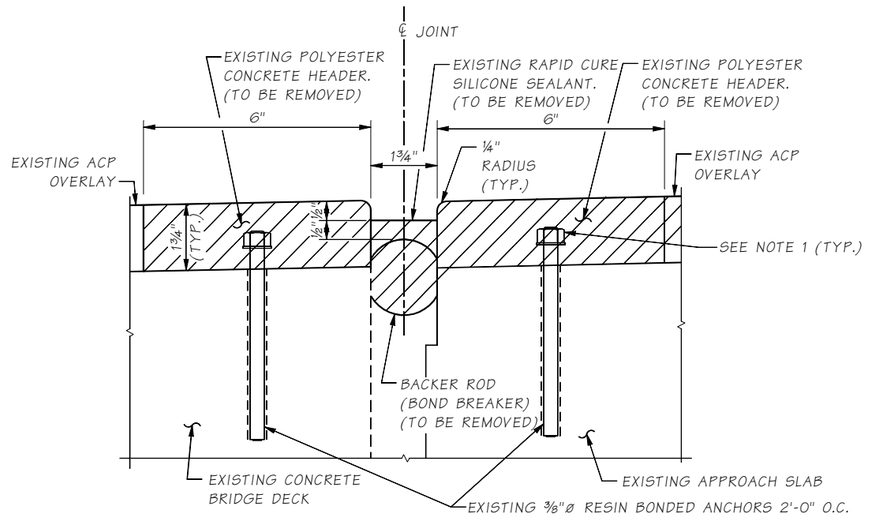
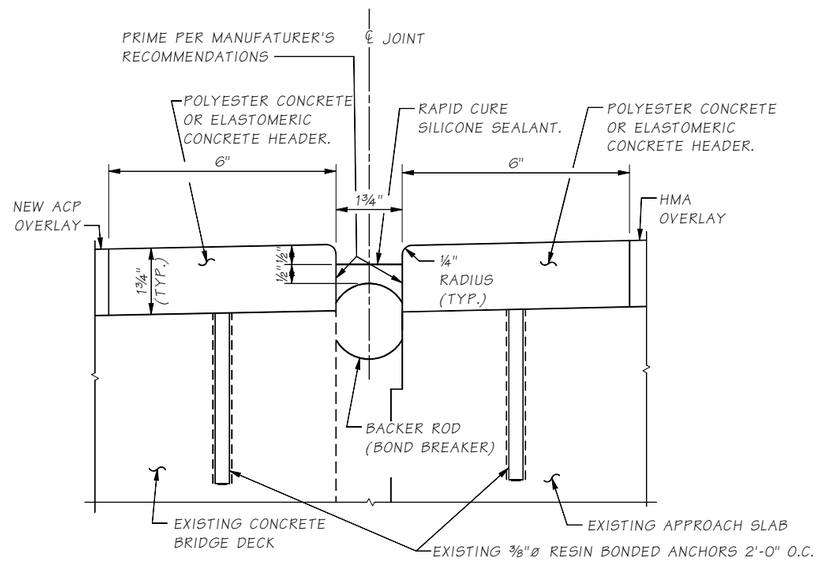


SECTION D — EXISTING — BR1



SECTION D — MODIFIED — BR1

SR FILE NO. SHEET BP2

Bridge Design Engr.	Khaleghi, B	M:\W-Team\I-90 WB E SUNSET WAY TO E FK ISSAQUAH WAY\window files\EXP JT.WND			REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Rosa, MA				10	WASH.			
Designed By	Phillips, D 05/21				JOB NUMBER 21A012				
Checked By	Rosa, M 05/21								
Detailed By	Lemcke, DR 05/21				CONTRACT NO.				
Bridge Projects Engr.									
Prelim. Plan By									
Architect/Specialist		DATE	REVISION	BY	APP'D				

Wed Nov 17 09:20:28 2021

P.E. STAMP BOX — MICHAEL A. ROSA — STATE OF WASHINGTON — 43707 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER — SEE SHEET CT2 — DATE:

BRIDGE AND STRUCTURES OFFICE

P.E. STAMP BOX — ROBBIAN KHALEGHI — STATE OF WASHINGTON — 27695 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER — SEE SHEET CT2 — DATE:

Washington State Department of Transportation

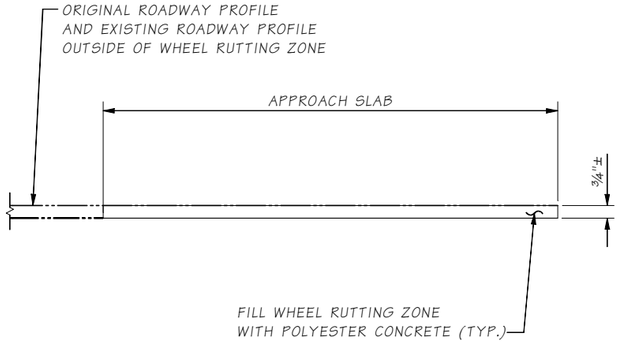
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY
E FK ISSAQUAH CREEK BRIDGE NO. 90/68N

EXPANSION JOINT DETAILS

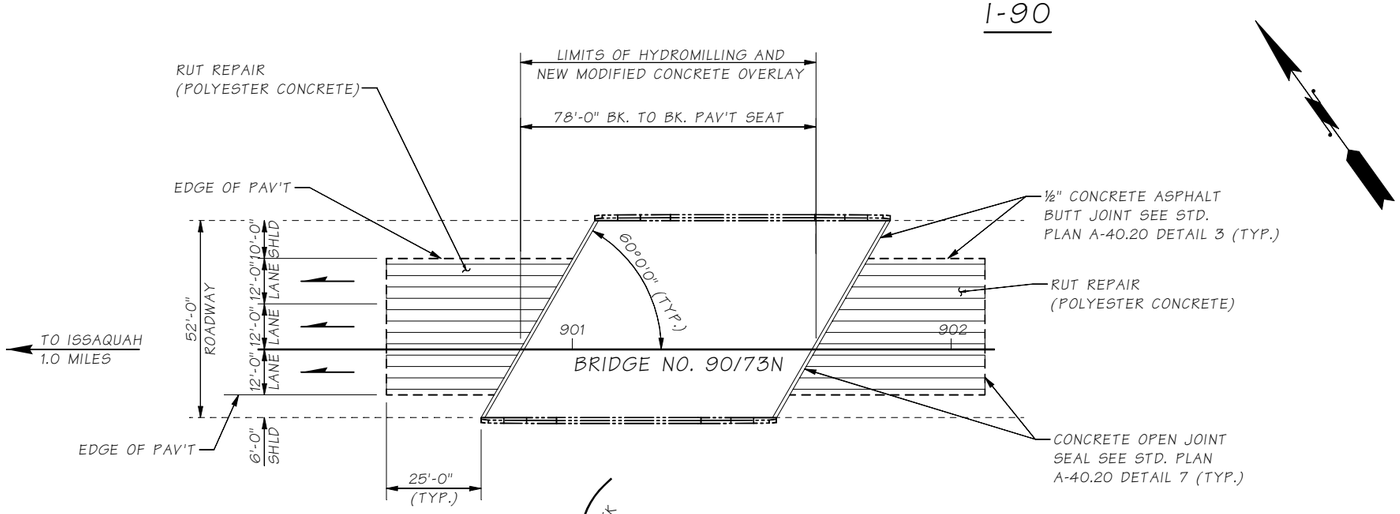
BRIDGE SHEET NO. BR2

SHEET 108 OF 240 SHEETS

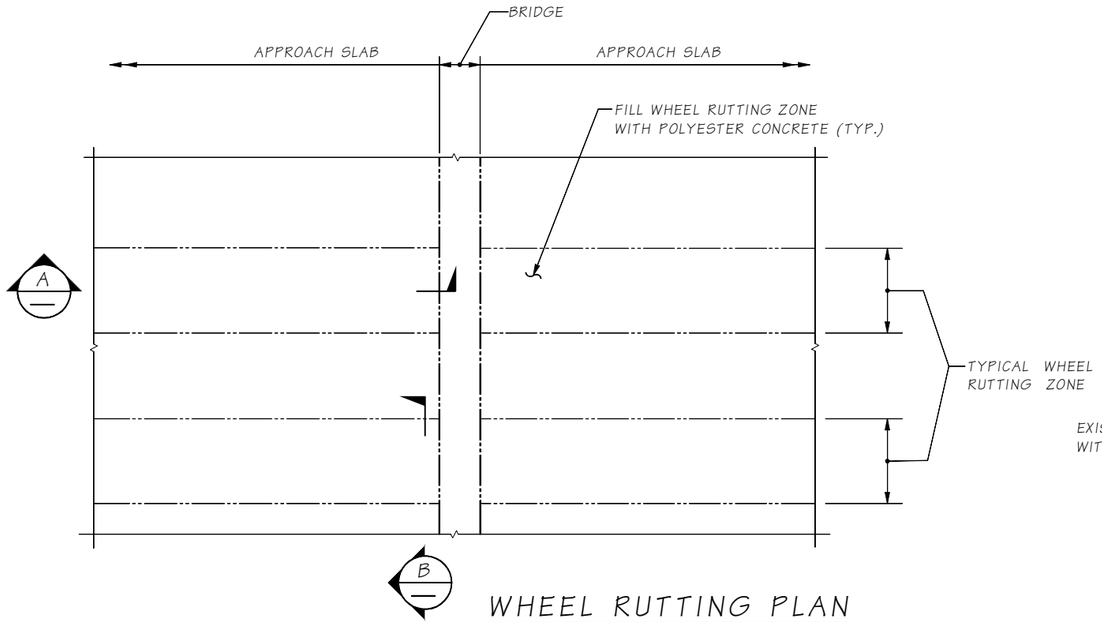
SEC. 26, T.24N., R.6E. W.M.
CITY OF ISSAQUAH



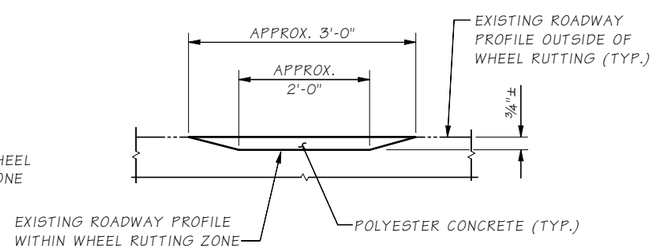
SECTION A



PLAN



WHEEL RUTTING PLAN



SECTION B

OVERLAY REQUIREMENTS

BRIDGE NO. 90/73N

HYDROMILL 1" OF EXISTING CONCRETE DECK
PLACE NEW 1½" MODIFIED CONCRETE OVERLAY

LEGEND

- B / 15 — IDENTIFIES SECTION, VIEW OR DETAIL
- TAKEN OR SHOWN ON BRIDGE SHEET 15
- B / — TAKEN OR SHOWN ON THE SAME SHEET

GENERAL NOTES

1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION-ENGLISH, DATED 2022.
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3. ADJUST APPROACH SLAB GRADE AND PROFILE TO PROVIDE A SMOOTH TRANSITION BETWEEN CONCRETE BRIDGE DECK AND REMAINING APPROACH ROADWAY.

SR ____ FILE NO. ____ SHEET BP5

Bridge Design Engr.	Khaleghi, B	M:\W-Team\I-90 WB E SUNSET WAY TO E FK ISSAQUAH WAY\window files\LAYOUT 2.WND			REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Rosa, MA				10	WASH.			
Designed By	Phillips, D 06/21				JOB NUMBER 21A012				
Checked By	Rosa, MA 06/21				CONTRACT NO.				
Detailed By	Lemcke, DR 06/21								
Bridge Projects Engr.									
Prelim. Plan By									
Architect/Specialist		DATE	REVISION	BY	APP'D				

Wed Nov 17 09:20:51 2021

P.E. STAMP BOX
SEE SHEET CT2
DATE

BRIDGE AND STRUCTURES OFFICE

P.E. STAMP BOX
SEE SHEET CT2
DATE

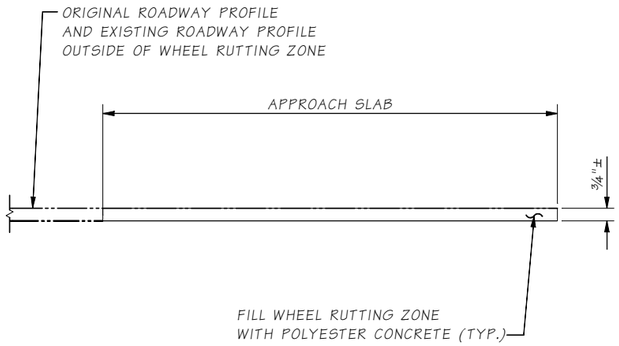
Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY
E FK ISSAQUAH CREEK BRIDGE NO. 90/73N

LAYOUT

BRIDGE SHEET NO. BR3
SHEET 109 OF 240 SHEETS

SEC. 30, T.24N., R.7E. W.M.
CITY OF ISSAQUAH



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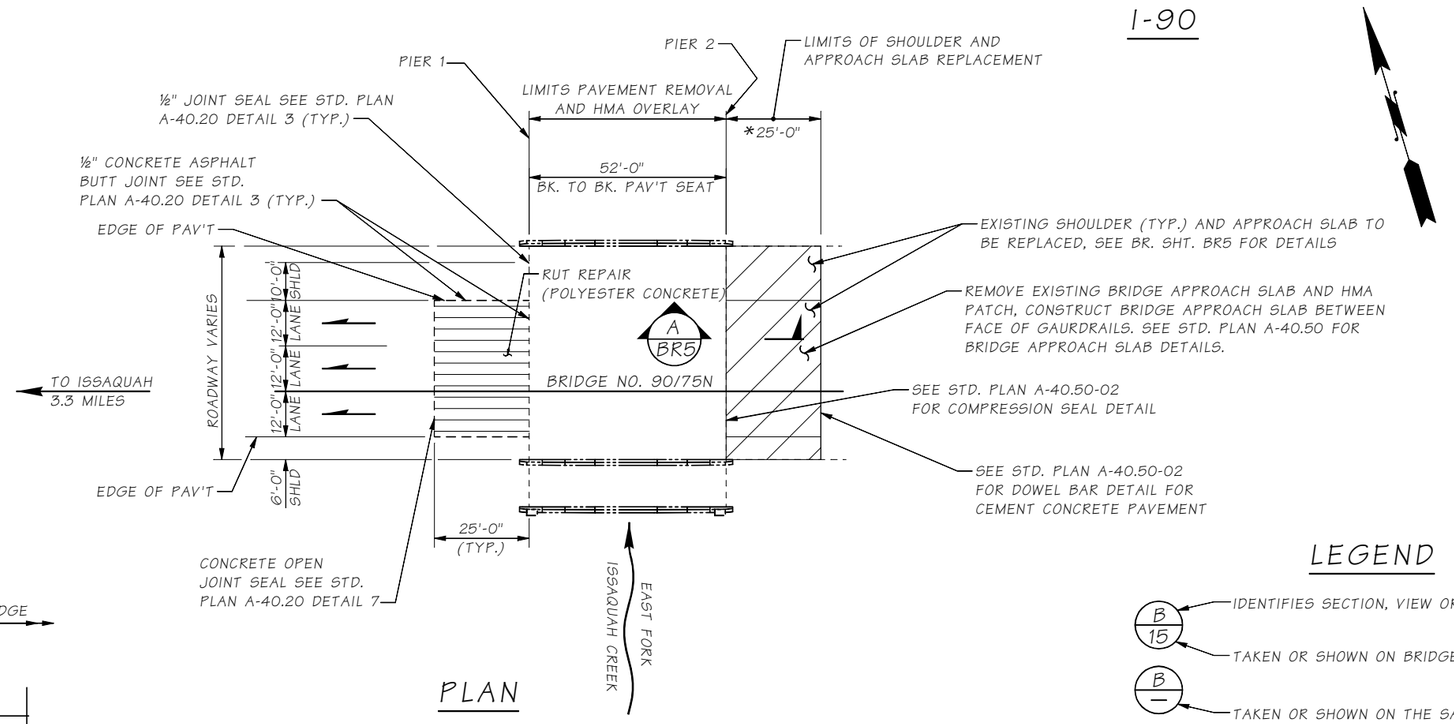
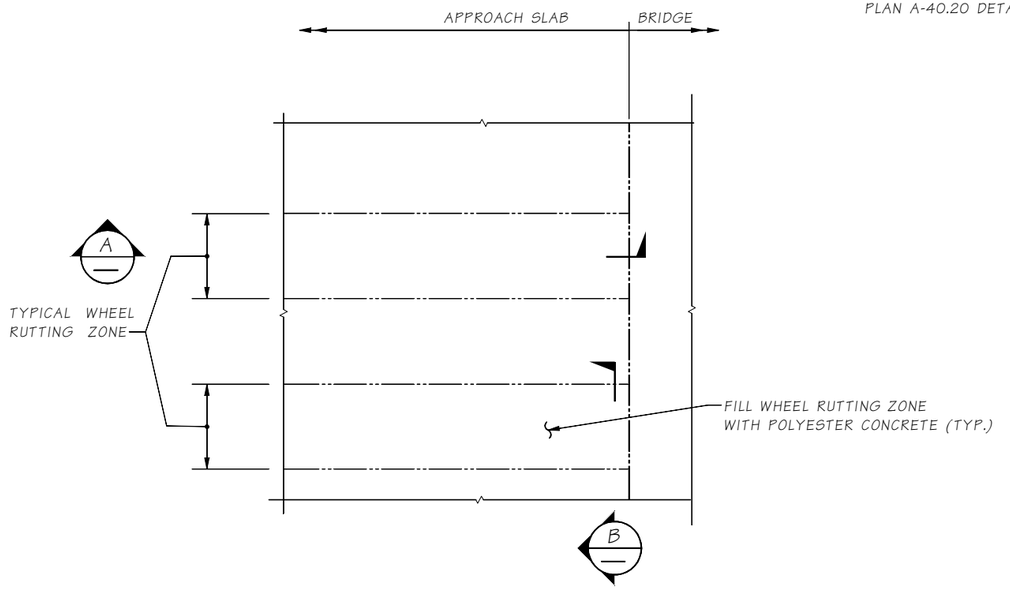


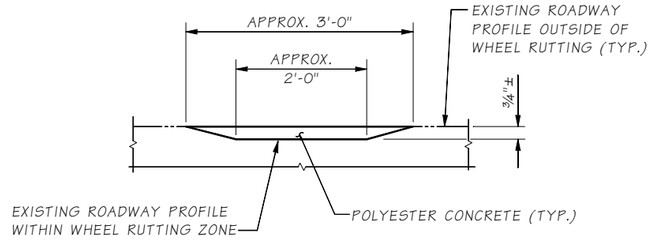
PLAN

LEGEND

- B / 15 — IDENTIFIES SECTION, VIEW OR DETAIL
- B / 15 — TAKEN OR SHOWN ON BRIDGE SHEET 15
- B / — — TAKEN OR SHOWN ON THE SAME SHEET



WHEEL RUTTING PLAN



SECTION B

OVERLAY REQUIREMENTS
BRIDGE NO. 90/75N

REMOVE 0.25' OF EXISTING HMA OVERLAY
PLACE NEW 0.25' HMA OVERLAY

GENERAL NOTES

1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION-ENGLISH, DATED 2022.
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3. ADJUST APPROACH SLAB GRADE AND PROFILE TO PROVIDE A SMOOTH TRANSITION BETWEEN CONCRETE BRIDGE DECK AND REMAINING APPROACH ROADWAY.
4. SEE SHT. BR6 FOR BRIDGE CONSTRUCTION LOAD RESTRICTIONS PAVEMENT REMOVAL.
5. SEE SHT. BR7 FOR BRIDGE CONSTRUCTION LOAD RESTRICTIONS HMA PAVING

SR FILE NO. SHEET BR6

Bridge Design Engr.	Khaleghi, B	M:\W-Team\I-90 WB E SUNSET WAY TO E FK ISSAQUAH WAY\window files\LAYOUT 3.WND							
Supervisor	Rosa, MA					REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Designed By	Phillips, D 06/21					10	WASH.			
Checked By	Rosa, MA 06/21					JOB NUMBER 21A012				
Detailed By	Lemcke, DR 06/21					CONTRACT NO.				
Bridge Projects Engr.										
Prelim. Plan By										
Architect/Specialist		DATE	REVISION	BY	APP'D					

P.E. STAMP BOX — SEE SHEET CT2 DATE:

BRIDGE AND STRUCTURES OFFICE

P.E. STAMP BOX — BIJAN KHALEGHI, STATE OF WASHINGTON, 37695, PROFESSIONAL ENGINEER — SEE SHEET CT2 DATE:

Washington State Department of Transportation

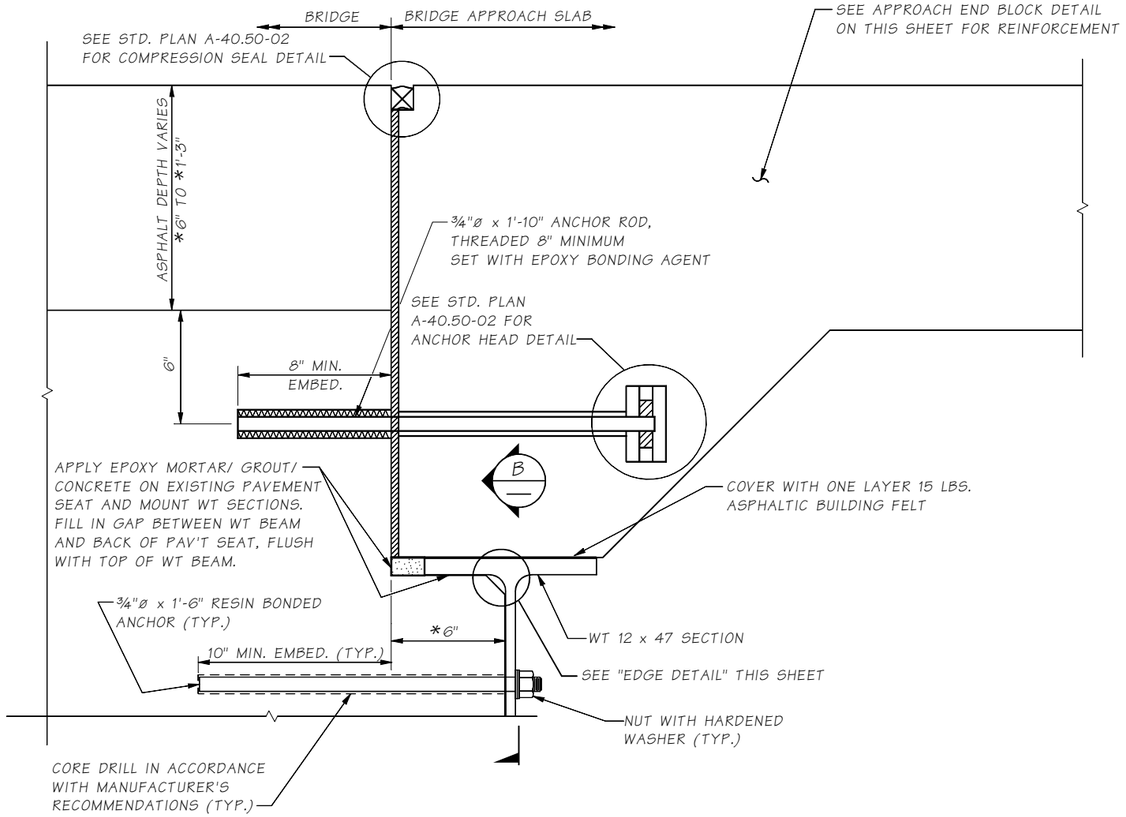
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY
E FK ISSAQUAH CREEK BRIDGE NO. 90/75N

LAYOUT

BRIDGE SHEET NO. BR4

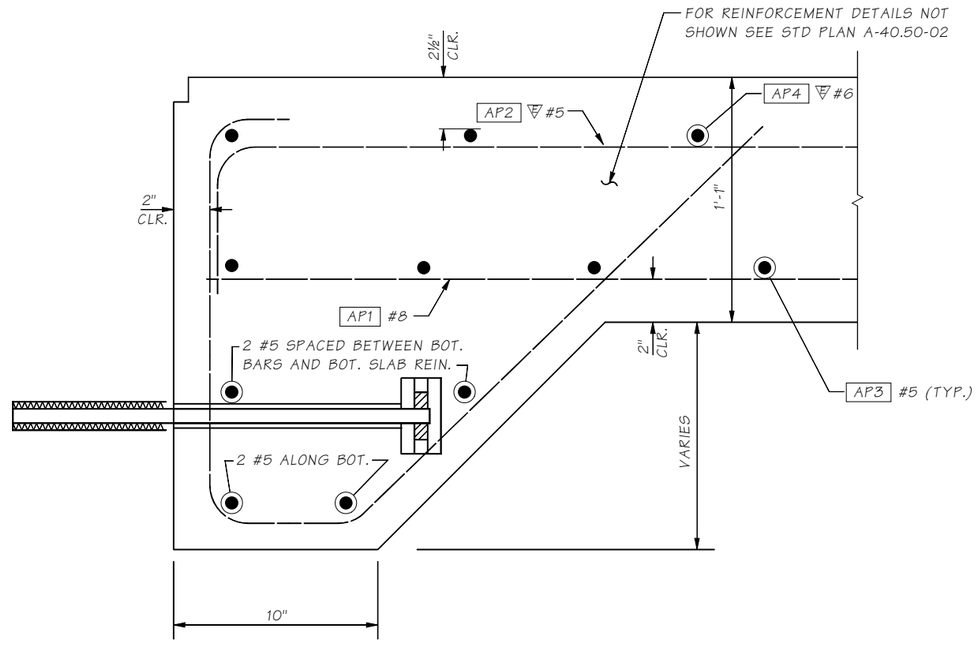
SHEET 110 OF 240 SHEETS

Wed Nov 17 09:20:58 2021

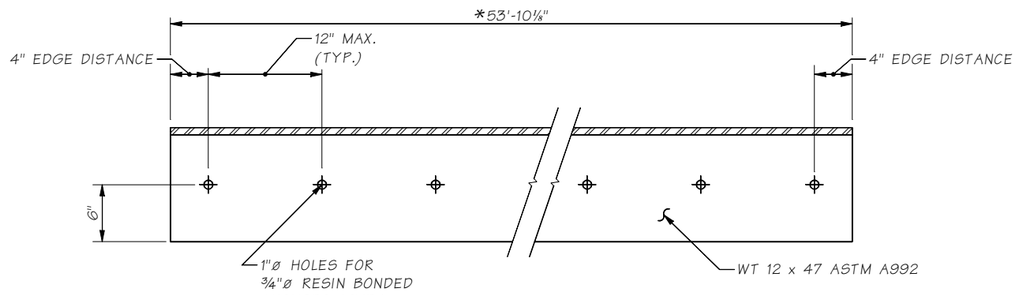


DETAIL A / BR4 MODIFIED

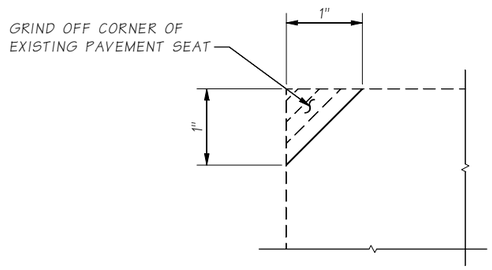
* DIMENSION BASED ON AS BUILT DRAWINGS. ACTUAL DIMENSION MAY VARY.



APPROACH END BLOCK



SECTION B / TYPICAL WT 12 SECTION



EDGE DETAIL

NOTE:

1. THE CONTRACTOR SHALL REMOVE THE APPROACH SLAB AS THE FIRST ORDER OF WORK DURING THE LANE CLOSURE WORK SHIFT. THE ENGINEER WILL EVALUATE THE CONDITION OF THE EXISTING PAVEMENT SEAT. THE CONTRACTOR SHALL REPAIR THE EXISTING PAVEMENT SEAT, IF NECESSARYAS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL STOCKPILE PATCHING MORTAR, WHICH MEETS STANDARD SPECIFICATIONS 9-20.2(2), IN SUFFICIENT QUANTITIES TO CAST 20 CUBIC FOOT OF PAVEMENT SEAT.

SR FILE NO. SHEET 0

Bridge Design Engr.	Khaleghi, B	M:\W-Team\I-90 WB E SUNSET WAY TO E FK ISSAQUAH WAY\window files\PAVEMENT SEAT MOD.wnd								
Supervisor	Rosa, MA									
Designed By	Phillips, D 10/21									
Checked By	Rosa, MA 10/21									
Detailed By	Phillips, D 10/21									
Bridge Projects Engr.										
Prelim. Plan By										
Architect/Specialist		DATE	REVISION	BY	APP'D					

REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
10	WASH.			
JOB NUMBER 21A012				
CONTRACT NO.				

P.E. STAMP BOX — MICHAEL A. ROSA — STATE OF WASHINGTON — 45701 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER — SEE SHEET CT2 — DATE

BRIDGE AND STRUCTURES OFFICE

P.E. STAMP BOX — BILLIAN KHALEGHI — STATE OF WASHINGTON — 37305 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER — SEE SHEET CT2 — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY
E FK ISSAQUAH CREEK BRIDGE NO. 90/75N

PAVEMENT SEAT MODIFICATION

BRIDGE SHEET NO. BR5

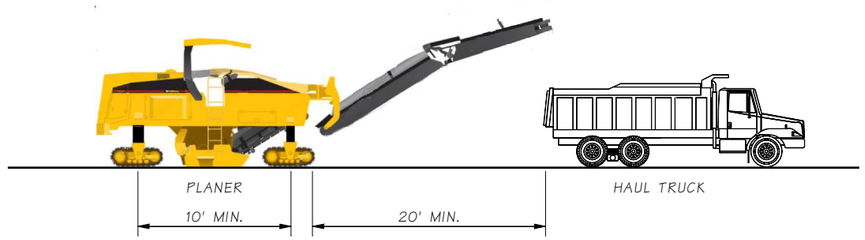
SHEET 111 OF 240 SHEETS

Wed Nov 17 09:23:45 2021

BITUMINOUS PAVEMENT REMOVAL NOTES:

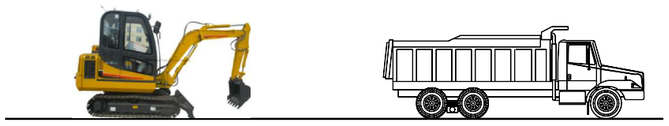
1. DURING BITUMINOUS PAVEMENT REMOVAL WORK ON BRIDGES, CONSTRUCTION LOADS ON THE BRIDGE SHALL BE RESTRICTED TO THE SPECIFIED BITUMINOUS PAVEMENT REMOVAL TRAINS. ONLY ONE REMOVAL TRAIN IS ALLOWED ON A BRIDGE AT A TIME.

2. ALL SPECIFIED MAXIMUM GROSS WEIGHTS ARE THE EQUIPMENTS FULLY LOADED WEIGHT.



BRIDGE NO.	ROTARY MILLIING/ PLANING EQUIPMENT	HAUL TRUCK	FULL DEPTH PLANING ALLOWED?
	MAX. GROSS WT. (LBS)	MAX. GROSS WT. (LBS)	
90/68N	50,000	50,000	YES
90/75N	50,000	50,000	YES

PAVEMENT REMOVAL TRAIN - PLANER



BRIDGE NO.	SCRAPER/ NON-ROTARY EQUIPMENT	HAUL TRUCK
	MAX. GROSS WT. (LBS)	MAX. GROSS WT. (LBS)
90/68N	34,000	50,000

BITUMINOUS PAVEMENT REMOVAL TRAIN - NO PLANER

SR ____ FILE NO. ____ SHEET BP3

Bridge Design Engr.	Khaleghi, B	M:\W-Team\I-90 WB E SUNSET WAY TO E FK ISSAQUAH WAY\window files\PAVE REMOVAL.WND								
Supervisor	Rosa, MA						REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Designed By	Phillips, D 06/21						10	WASH.			
Checked By	Rosa, MA 06/21						JOB NUMBER 21A012				
Detailed By	Lemcke, DR 06/21						CONTRACT NO.				
Bridge Projects Engr.											
Prelim. Plan By											
Architect/Specialist		DATE	REVISION	BY	APP'D						

P.E. STAMP BOX
MICHAEL A. ROSA — STATE OF WASHINGTON — 45707 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
SEE SHEET CT2
DATE:

BRIDGE AND STRUCTURES OFFICE

P.E. STAMP BOX
BEHJAT KHALEGHI — STATE OF WASHINGTON — 37695 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
SEE SHEET CT2
DATE:

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

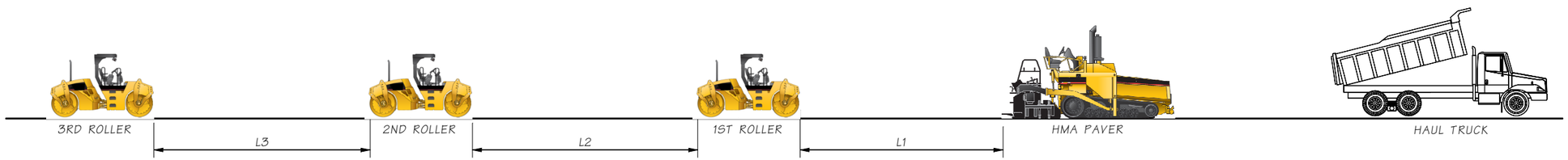
BRIDGE CONSTR. LOAD RESTRICTIONS PAVEMENT REMOVAL

BRIDGE SHEET NO. BR6
SHEET 112 OF 240 SHEETS

Wed Nov 17 09:21:08 2021

BRIDGE HMA PAVING NOTES:

1. DURING HMA PAVING WORK ON BRIDGES, CONSTRUCTION LOADS ON THE BRIDGE SHALL BE RESTRICTED TO THE SPECIFIED HMA PAVING TRAINS. ONLY ONE HMA PAVING TRAIN IS ALLOWED ON A BRIDGE AT A TIME.
2. THE USE OF MTV'S AND/OR WINDROWS IN NOT ALLOWED.
3. ONLY ONE HAUL TRUCK IS PERMITTED ON BRIDGE 90/75N AT ANY TIME DURING PAVING OPERATIONS.
4. HAUL TRUCKS SHALL REMAIN OFF BRIDGE 90/68N UNTIL THE HMA PAVER HOPPER IS NEARLY EMPTY. WHEN THE HMA PAVER HOPPER IS NEARLY EMPTY, THE HAUL TRUCK MAY BACK UP TO THE HMA PAVER AND LOAD THE HOPPER. ONCE THE HOPPER IS LOADED, THE EMPTY HAUL TRUCK SHALL MOVE OFF BRIDGE 90/68N.
5. ADDITIONAL ROLLERS MAY BE USED BEHIND THE 3RD ROLLER. ADDITIONAL ROLLERS SHALL MEET THE REQUIREMENTS FOR THE 3RD ROLLER, AND SHALL BE SPACED AT LEAST L3 FT. APART.
6. ALL SPECIFIED MAXIMUM GROSS WEIGHTS ARE THE EQUIPMENTS FULLY LOADED WEIGHT. EXAMPLE: THE HMA PAVER WEIGHT - HMA PAVING MACHINE OPERATING WEIGHT + SCREED WEIGHT + WT. OF HMA IN THE HOPPER.
7. WHEN THE CAPACITY OF THE PROPOSED HMA PAVER OR HAUL TRUCK EXCEEDS THE MAXIMUM WEIGHT ALLOWED IN THE HMA PAVING TRAIN, THE CONTRACTOR SHALL SUBMIT A PAVING LOAD CONTROL PLAN TO THE ENGINEER AS TYPE 2 WORKING DRAWINGS. THE PAVING LOAD CONTROL PLAN SHALL INCLUDE CONTRACTOR'S MEANS, METHODS AND QUALITY CONTROL PLAN TO PREVENT THE MAXIMUM EQUIPMENT WEIGHTS FROM BEING EXCEEDED.
8. DISTANCES (L#) IS THE DISTANCE BETWEEN VEHICLE AXLES.



BRIDGE NO.	3RD ROLLER	L3	2ND ROLLER	L2	1ST ROLLER	L1	HMA PAVER	HAUL TRUCK
	MAX. GROSS VEHICLE WT. (LBS.)	MIN. SPACING	MAX. GROSS VEHICLE WT. (LBS.)	MIN. SPACING	MAX. GROSS VEHICLE WT. (LBS.)	MIN. SPACING	MAX. GROSS VEHICLE WT. (LBS.)	MAX. GROSS VEHICLE WT. (LBS.)
90/68N	30,000	20'-0"	30,000	20'-0"	30,000	20'-0"	50,000	50,000
90/75N	30,000	20'-0"	30,000	20'-0"	30,000	20'-0"	50,000	50,000

HMA PAVING TRAIN

SR FILE NO. SHEET BP4

Bridge Design Engr.	Khaleghi, B	M:\W-Team\I-90 WB E SUNSET WAY TO E FK ISSAQUAH WAY\window files\HMA PAVING.WND			REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	Rosa, MA				10	WASH.			
Designed By	Phillips, D 06/21				JOB NUMBER 21A012				
Checked By	Rosa, MA 06/21				CONTRACT NO.				
Detailed By	Lemcke, DR 06/21								
Bridge Projects Engr.									
Prelim. Plan By									
Architect/Specialist		DATE	REVISION	BY	APP'D				

Wed Nov 17 09:20:36 2021

P.E. STAMP BOX: MICHAEL A. ROSA, STATE OF WASHINGTON, 43707, STRUCTURAL ENGINEER, PROFESSIONAL ENGINEER — SEE SHEET CT2 — DATE

BRIDGE AND STRUCTURES OFFICE

P.E. STAMP BOX: BIJAN KHALEGHI, STATE OF WASHINGTON, 27900, STRUCTURAL ENGINEER, PROFESSIONAL ENGINEER — SEE SHEET CT2 — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

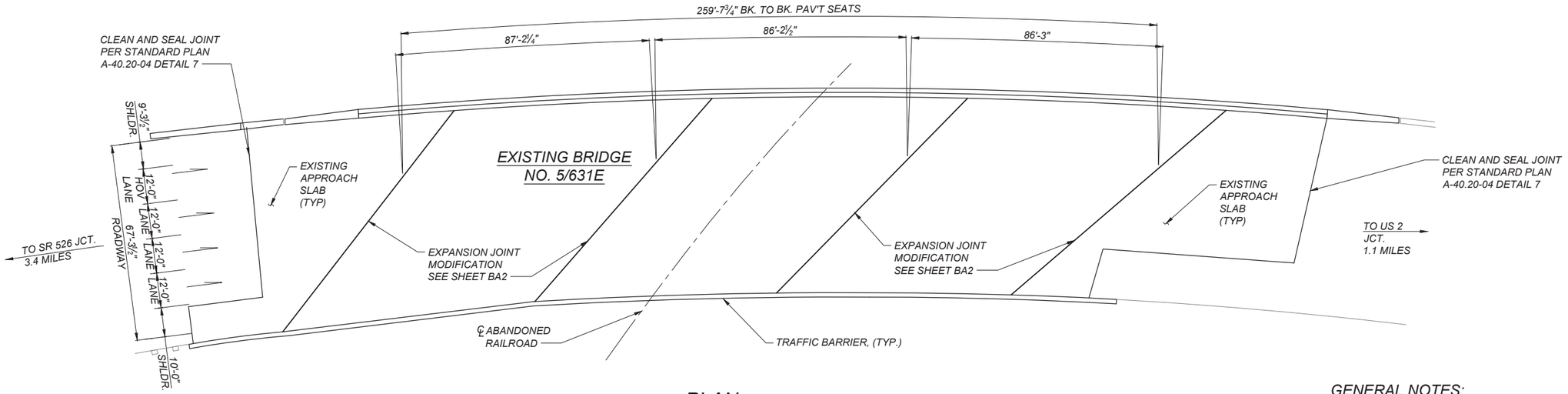
BRIDGE CONSTR. LOAD RESTRICTIONS
HMA PAVING

BRIDGE SHEET NO. BR7

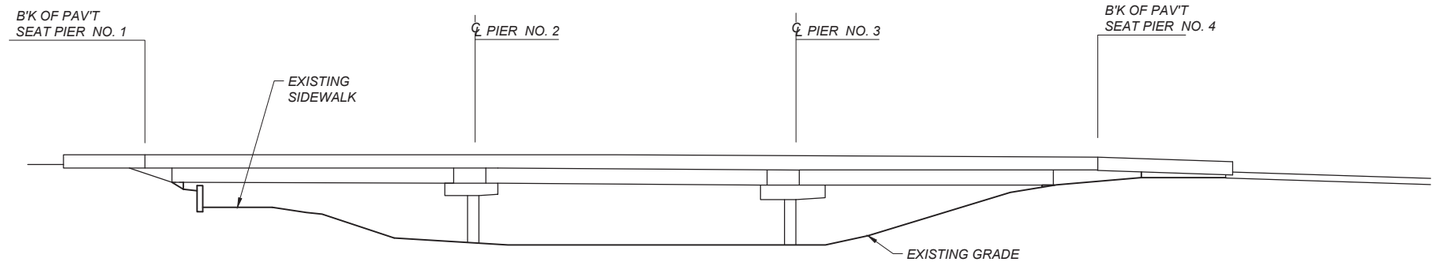
SHEET 113 OF 240 SHEETS

SEC. 29, T.29N., R5E., W.M.
CITY OF EVERETT

I-5



PLAN



ELEVATION

GENERAL NOTES:

1. ALL MATERIAL AND WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATE OF WASHINGTON DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION DATED - 2022.
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3. EXISTING FEATURES AND DIMENSIONS ARE BASED ON AS-BUILT PLANS. ALL DIMENSIONS SHALL BE FIELD MEASURED AND VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND FABRICATION.
4. CONTRACTOR SHALL LOCATE EXISTING STEEL REINFORCING USING NONDESTRUCTIVE METHODS TO AVOID DAMAGE DURING CONCRETE REMOVAL OPERATIONS.
5. ALL NEW MATERIALS SHALL MEET THE FOLLOWING REQUIREMENTS:.
   - CONCRETE CLASS 4000.
   - REINFORCING STEEL BARS - EPOXY COATED ASTM A706, GRADE 60
6. THE MINIMUM CONCRETE COVER MEASURED FROM THE FACE OF THE CONCRETE TO THE FACE O F ANY REINFORCING STEEL SHALL BE 1 1/2"

LEGEND

A / 5 — IDENTIFIES SECTION, VIEW OR DETAIL
TAKEN OR SHOWN ON BRIDGE SHEET 5
A / - — TAKEN OR SHOWN ON THE SAME SHEET

EXPANSION JOINT MODIFICATION

SR5 JOB NO. ____ SHEET ____

Bridge Design Engr.	B. KHALEGHI										
Supervisor	H.L. COFFMAN										
Designed By	B.T. DEMEZA										
Checked By	D.M. SEGHETTI										
Detailed By	D.F. PROCTOR										
Bridge Projects Engr.	M. ROSA										
Prelim. Plan By											
Architect/Specialist		DATE	REVISION	BY	APP'D						

REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
10	WASH.			
JOB NUMBER 21A012				

HARVEY L. COFFMAN — STATE OF WASHINGTON — 26469 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
SEE SHEET CT2 DATE

BRIDGE AND STRUCTURES OFFICE

Washington State Department of Transportation

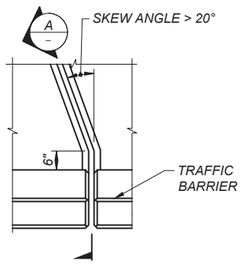
COFFMAN ENGINEERS
10 N. Post St.
Spokane, WA 99201
ph 509.328.2994
www.coffman.com

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY
BRIDGE NO. 5/631E

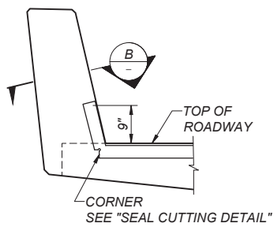
LAYOUT

BRIDGE SHEET NO. BA1
SHEET 114 OF 240 SHEETS

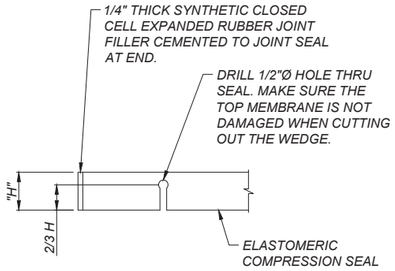
Wednesday, November 17,



PLAN EXPANSION JOINT AT TRAFFIC BARRIER



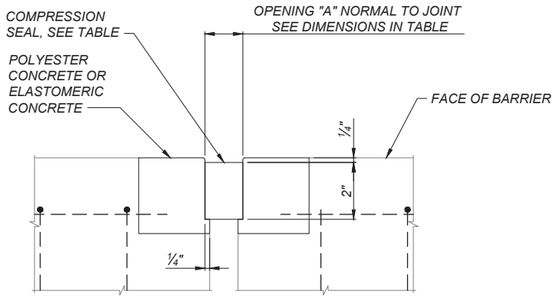
SECTION A



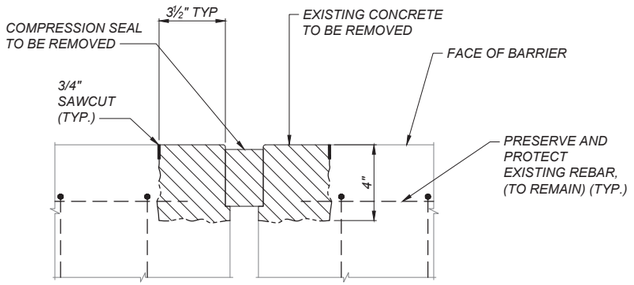
SEAL CUTTING DETAIL

EXPANSION JOINT TABLE					
LOCATION PIER #	EXPANSION JOINT LENGTH	OPENING "A" (NORMAL TO JOINT)			EXPANSION JOINT
		40 DEG F**	64 DEG F**	80 DEG F**	
PIER 1	96'-0 1/16"	1 3/8"	1 1/4"	1 1/8"	WATSON BOWMAN ACME WA-200 OR DS BROWN CV-2000
PIER 2	92'-5 5/16"	1 3/8"	1 1/4"	1 1/8"	
PIER 3	93'-7 1/2"	1 3/8"	1 1/4"	1 1/8"	
PIER 4	97'-3 3/16"	1 3/8"	1 1/4"	1 1/8"	

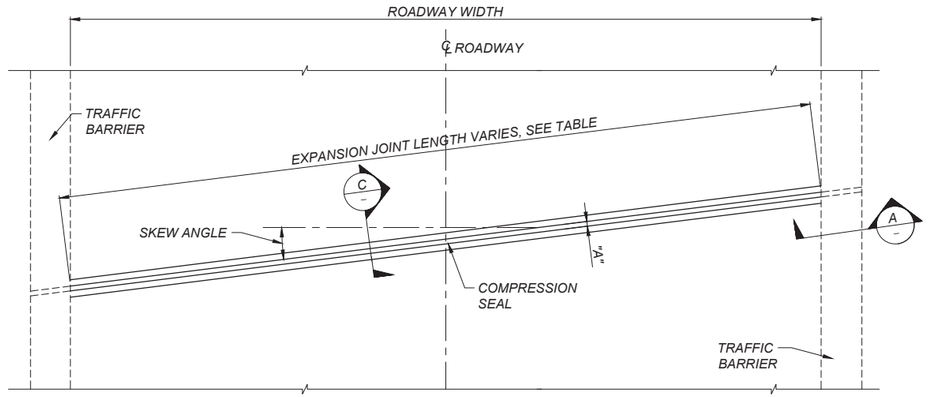
**"TEMPERATURE OF STRUCTURE AT TIME OF JOINT HEADER CONCRETE PLACEMENT."



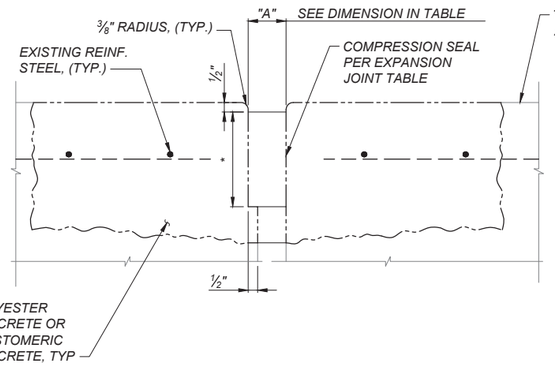
SECTION B
MODIFIED CONDITION



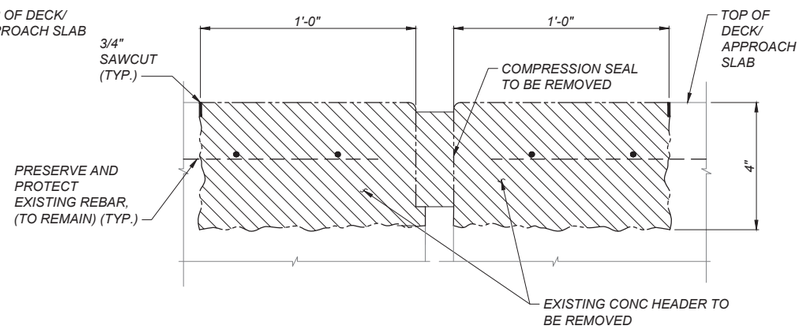
SECTION B
EXISTING CONDITION



PLAN AT EXPANSION JOINT



SECTION C
MODIFIED CONDITION



SECTION C
EXISTING CONDITION

NOTES:
1. MEASUREMENT ARE NORMAL TO JOINT.
2. * = FULLY COMPRESSED DEPTH PER SEAL MANUFACTURER.

SR5 JOB NO. ____ SHEET ____

Bridge Design Engr.	B. KHALEGHI									
Supervisor	H.L. COFFMAN									
Designed By	B.T. DEMEZA									
Checked By	D.M. SEGHETTI									
Detailed By	D.F. PROCTOR									
Bridge Projects Engr.	M. ROSA									
Prelim. Plan By										
Architect/Specialist		DATE	REVISION	BY	APP'D					

REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
10	WASH.			
JOB NUMBER 21A012				

HARVEY L. COFFMAN — STATE OF WASHINGTON — 26469 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
SEE SHEET CT2
DATE

BRIDGE AND STRUCTURES OFFICE

Washington State Department of Transportation

COFFMAN ENGINEERS
10 N. Post St.
Spokane, WA 99201
ph 509.328.2994
www.coffman.com

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E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY
BRIDGE NO. 5/631E

EXPANSION JOINT DETAILS

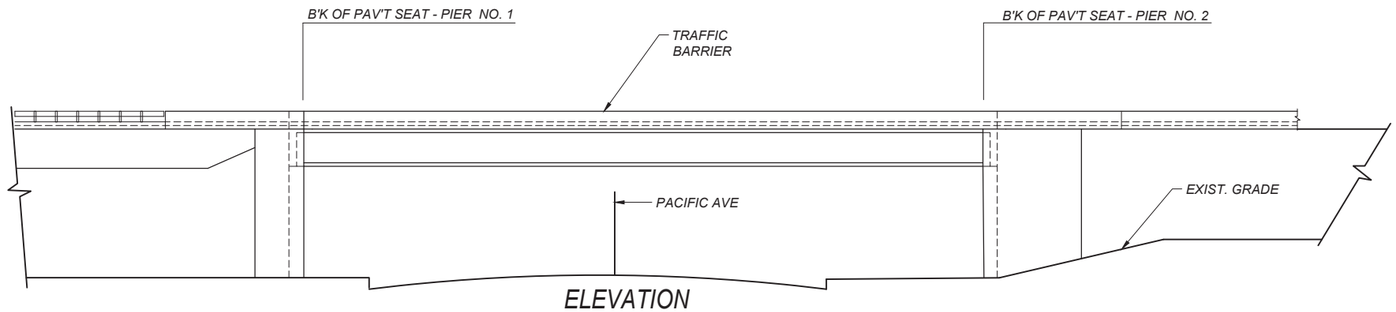
BRIDGE SHEET NO. BA2
SHEET 115 OF 240 SHEETS

Wednesday, November 17,

SEC. 29, T.29N., R5E., W.M.
CITY OF EVERETT

I-5

PLAN



ELEVATION

GENERAL NOTES:

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   - REINFORCING STEEL BARS - EPOXY COATED ASTM A706, GRADE 60
6. THE MINIMUM CONCRETE COVER MEASURED FROM THE FACE OF THE CONCRETE TO THE FACE O F ANY REINFORCING STEEL SHALL BE 1 1/2"

LEGEND

A/5 — IDENTIFIES SECTION, VIEW OR DETAIL
TAKEN OR SHOWN ON BRIDGE SHEET 5

A/- — TAKEN OR SHOWN ON THE SAME SHEET

EXPANSION JOINT MODIFICATION

Bridge Design Engr.	B. KHALEGHI					REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	H.L. COFFMAN					10	WASH.			
Designed By	B.T. DEMEZA					JOB NUMBER 21A012				
Checked By	D.M. SEGHETTI									
Detailed By	D.F. PROCTOR									
Bridge Projects Engr.	M. ROSA									
Prelim. Plan By										
Architect/Specialist		DATE	REVISION	BY	APP'D					

HARVEY L. COFFMAN — STATE OF WASHINGTON — 26469 — PROFESSIONAL ENGINEER
SEE SHEET CT2 DATE

BRIDGE AND STRUCTURES OFFICE

Washington State Department of Transportation

COFFMAN ENGINEERS
10 N. Post St.
Spokane, WA 99201
ph 509.328.2994
www.coffman.com

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY
BRIDGE NO. 5/635E

LAYOUT

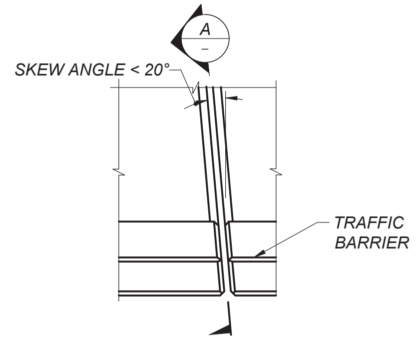
BRIDGE SHEET NO. BB1
SHEET 116 OF 240 SHEETS

SR5 JOB NO. ____ SHEET ____

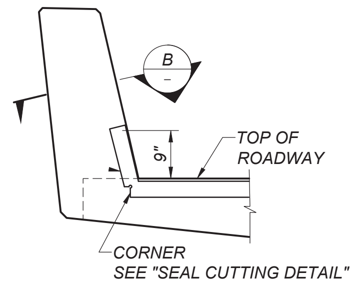
Wednesday, November 17,

EXPANSION JOINT TABLE					
LOCATION PIER #	EXPANSION JOINT LENGTH	OPENING "A" (NORMAL TO JOINT)			EXPANSION JOINT
		40 DEG F**	64 DEG F**	80 DEG F**	
PIER 1	80'-2 7/8"	1 3/8"	1 1/4"	1 1/8"	WATSON BOWMAN ACME WA-200 OR DS BROWN CV-2000
PIER 2	80'-2 7/8"	1 3/8"	1 1/4"	1 1/8"	

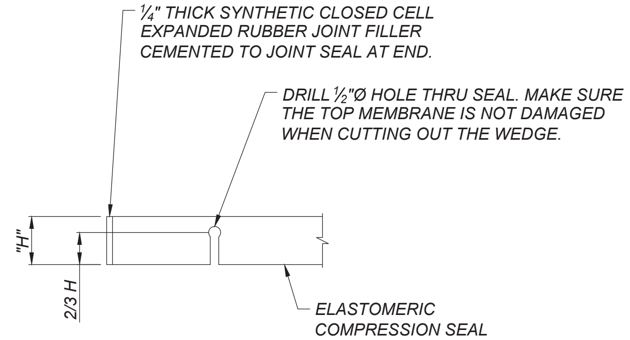
**"TEMPERATURE OF STRUCTURE AT TIME OF JOINT HEADER CONCRETE PLACEMENT"



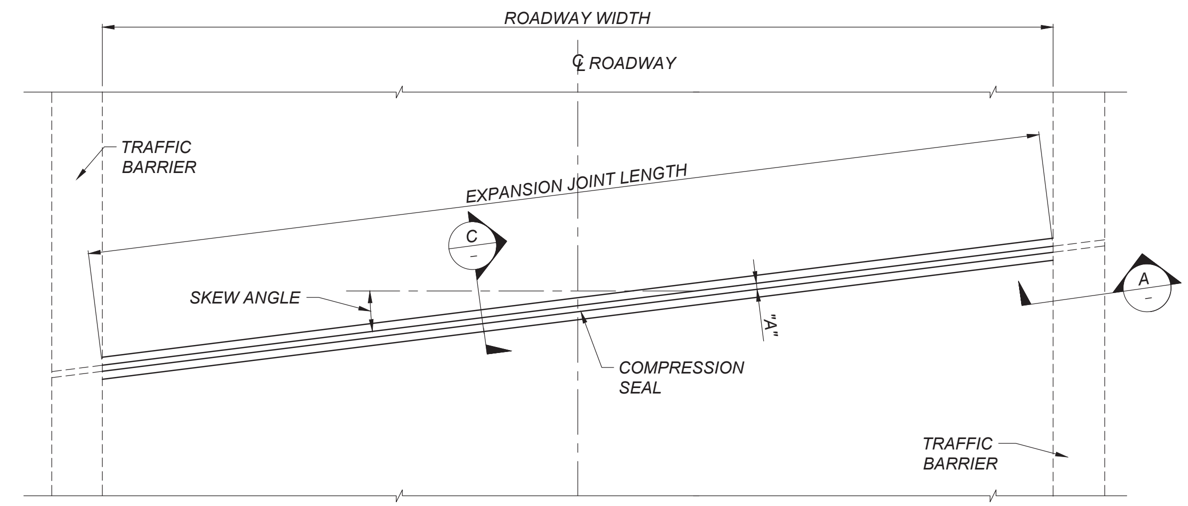
PLAN EXPANSION JOINT AT TRAFFIC BARRIER



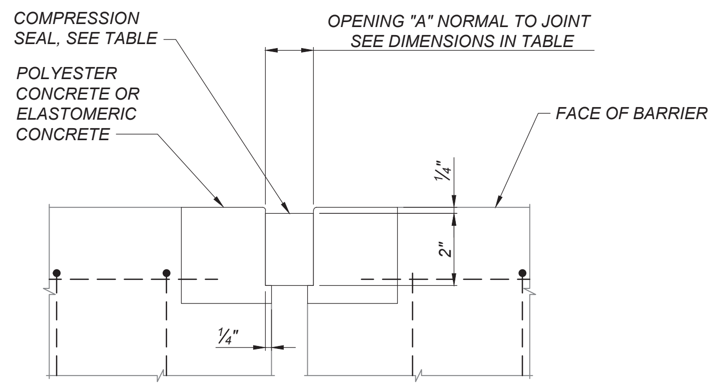
SECTION A



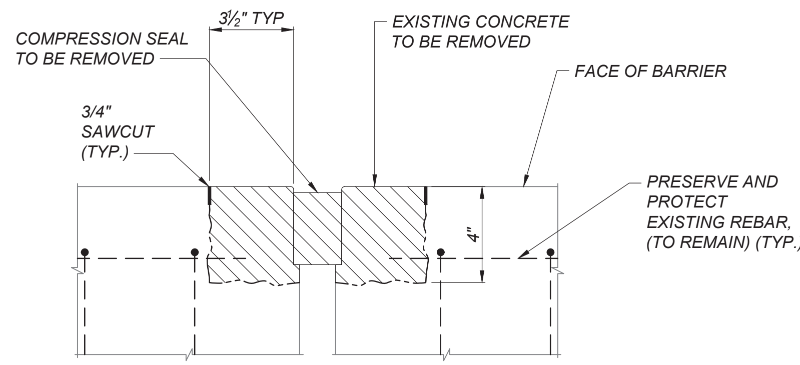
SEAL CUTTING DETAIL



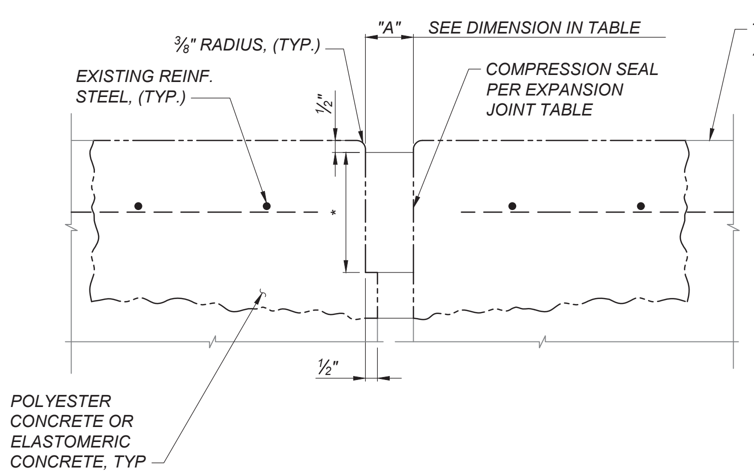
PLAN AT EXPANSION JOINT



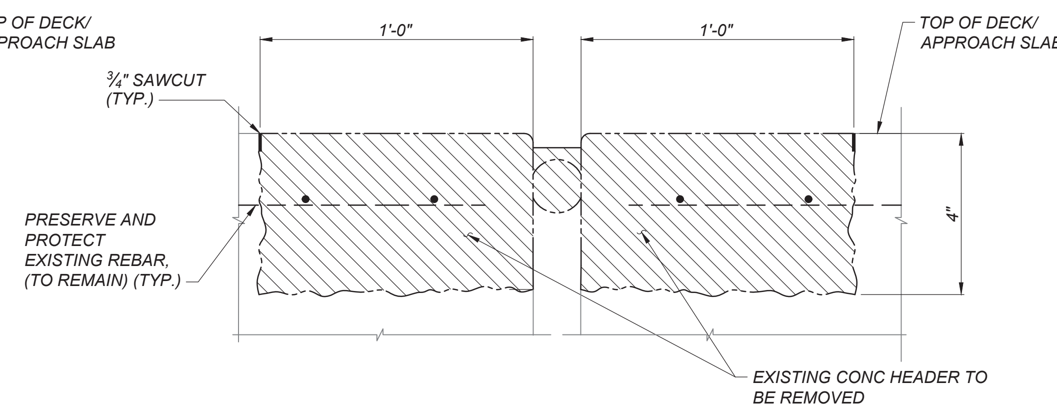
SECTION B
MODIFIED CONDITION



SECTION B
EXISTING CONDITION



SECTION C
MODIFIED CONDITION



SECTION C
EXISTING CONDITION

NOTES:
1. MEASUREMENT ARE NORMAL TO JOINT.
2. * = FULLY COMPRESSED DEPTH PER SEAL MANUFACTURER.

SR5 ___ JOB NO. ___ SHEET ___

Bridge Design Engr.	B. KHALEGHI
Supervisor	H.L. COFFMAN
Designed By	B.T. DEMEZA
Checked By	D.M. SEGHETTI
Detailed By	D.F. PROCTOR
Bridge Projects Engr.	M. ROSA
Prelim. Plan By	
Architect/Specialist	

DATE | REVISION | BY | APP'D

REGION NO. 10 | STATE WASH. | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS

JOB NUMBER 21A012

HARVEY L. COFFMAN, STATE OF WASHINGTON, 26469, STRUCTURAL ENGINEER, PROFESSIONAL ENGINEER

SEE SHEET CT2
DATE

BRIDGE AND STRUCTURES OFFICE

Washington State Department of Transportation

COFFMAN ENGINEERS
10 N. Post St.
Spokane, WA 99201
ph 509.328.2994
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I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY
BRIDGE NO. 5/635E

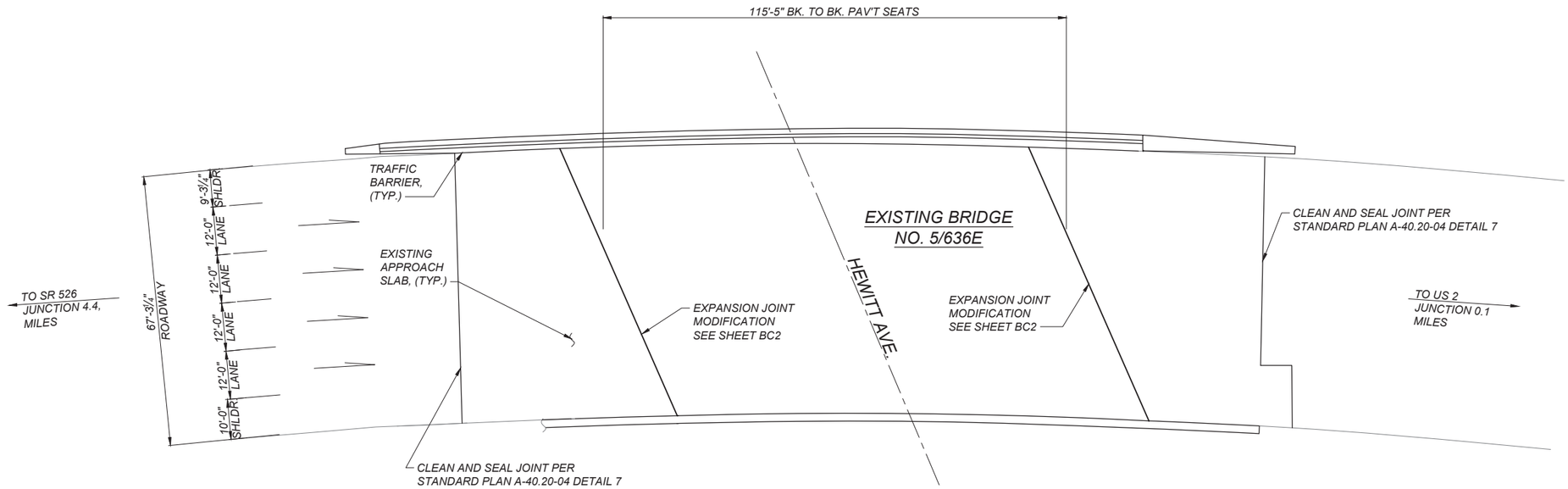
EXPANSION JOINT DETAILS

BRIDGE SHEET NO. BB2

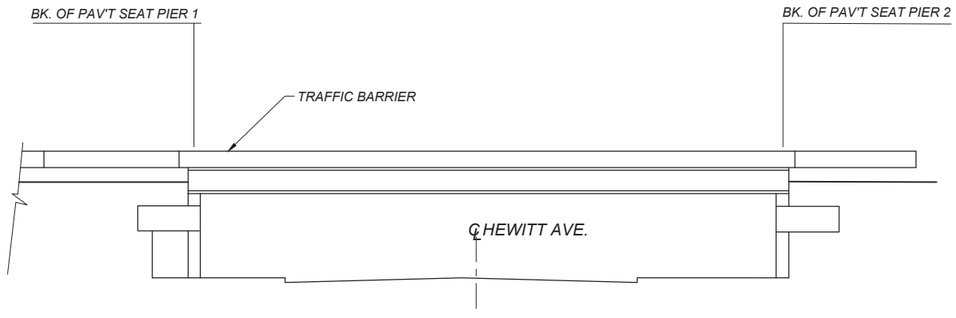
SHEET 117 OF 240 SHEETS

Wednesday, November 17,

SEC. 20, T.29N., R5E., W.M.
CITY OF EVERETT



PLAN



ELEVATION

GENERAL NOTES:

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2. NEW CONSTRUCTION HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 9TH EDITION, DATED 2020.
3. EXISTING FEATURES AND DIMENSIONS ARE BASED ON AS-BUILT PLANS. ALL DIMENSIONS SHALL BE FIELD MEASURED AND VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND FABRICATION.
4. CONTRACTOR SHALL LOCATE EXISTING STEEL REINFORCING USING NONDESTRUCTIVE METHODS TO AVOID DAMAGE DURING CONCRETE REMOVAL OPERATIONS.
5. ALL NEW MATERIALS SHALL MEET THE FOLLOWING REQUIREMENTS:.
   - CONCRETE CLASS 4000.
   - REINFORCING STEEL BARS - EPOXY COATED ASTM A706, GRADE 60
6. THE MINIMUM CONCRETE COVER MEASURED FROM THE FACE OF THE CONCRETE TO THE FACE O F ANY REINFORCING STEEL SHALL BE 1 1/2"

LEGEND

A / 5 — IDENTIFIES SECTION, VIEW OR DETAIL
TAKEN OR SHOWN ON BRIDGE SHEET 5
A / - — TAKEN OR SHOWN ON THE SAME SHEET

EXPANSION JOINT MODIFICATION

Bridge Design Engr.	B. KHALEGHI						REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	H.L. COFFMAN						10	WASH.			
Designed By	B.T. DEMEZA						JOB NUMBER 21A012				
Checked By	D.M. SEGHETTI										
Detailed By	D.F. PROCTOR										
Bridge Projects Engr.	M. ROSA										
Prelim. Plan By											
Architect/Specialist		DATE	REVISION	BY	APP'D						

HARVEY L. COFFMAN — STATE OF WASHINGTON — 26469 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
SEE SHEET CT2 DATE

BRIDGE AND STRUCTURES OFFICE

Washington State Department of Transportation

COFFMAN ENGINEERS
10 N. Post St.
Spokane, WA 99201
ph 509.328.2994
www.coffman.com

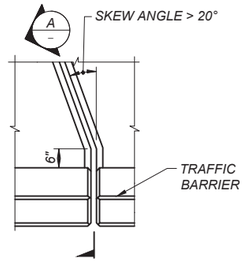
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY
BRIDGE NO. 5/636E

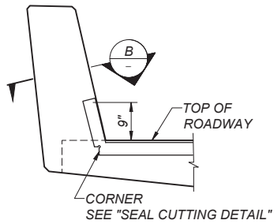
LAYOUT

BRIDGE SHEET NO. BC1
SHEET 118 OF 240 SHEETS

SR5 JOB NO. ____ SHEET ____

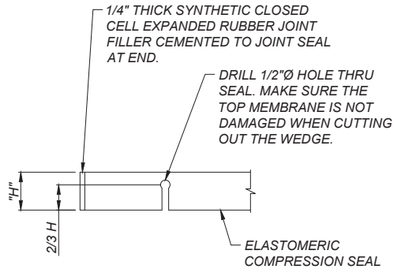
Wednesday, November 17,





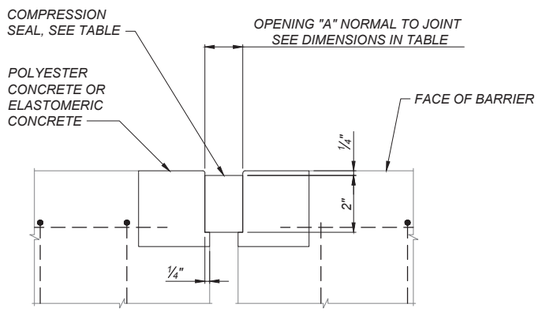
PLAN EXPANSION JOINT AT TRAFFIC BARRIER

SECTION A

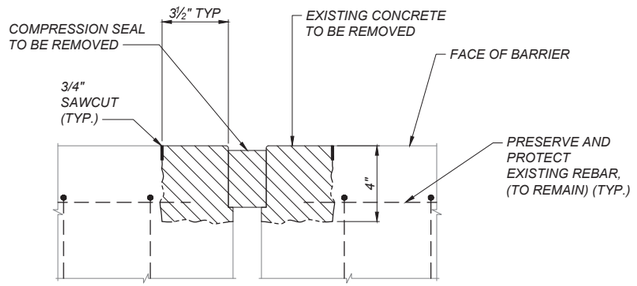


SEAL CUTTING DETAIL

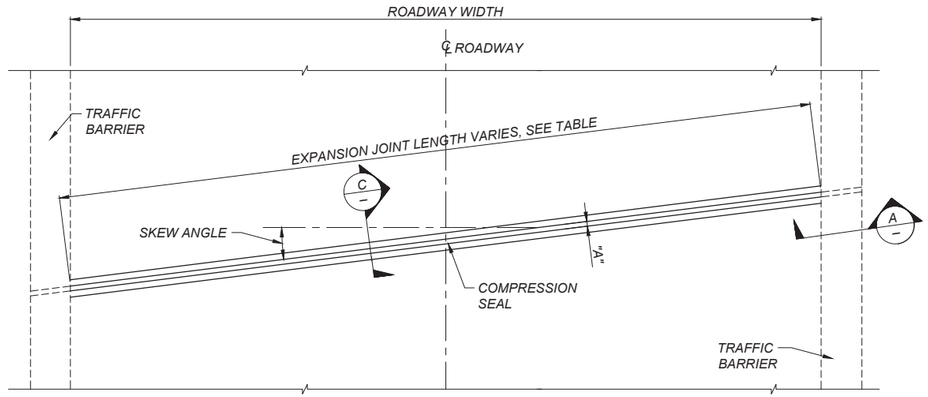
EXPANSION JOINT TABLE					
LOCATION PIER #	EXPANSION JOINT LENGTH	OPENING "A" (NORMAL TO JOINT)			EXPANSION JOINT
		40 DEG F**	64 DEG F**	80 DEG F**	
PIER 1	72'-9"	1 3/8"	1 1/4"	1 1/8"	WATSON BOWMAN ACME WA-200 OR DS BROWN CV-2000
PIER 2	74'-6"	1 3/8"	1 1/4"	1 1/8"	
**"TEMPERATURE OF STRUCTURE AT TIME OF JOINT HEADER CONCRETE PLACEMENT."					



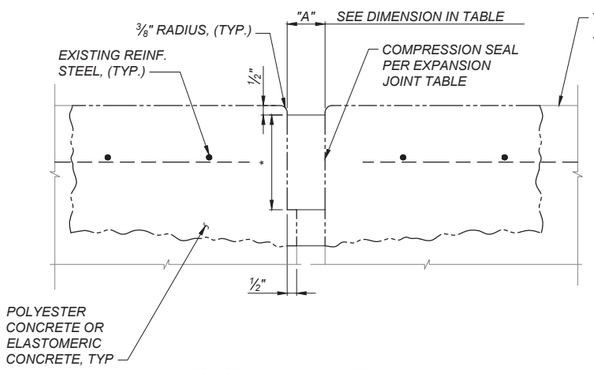
SECTION B
MODIFIED CONDITION



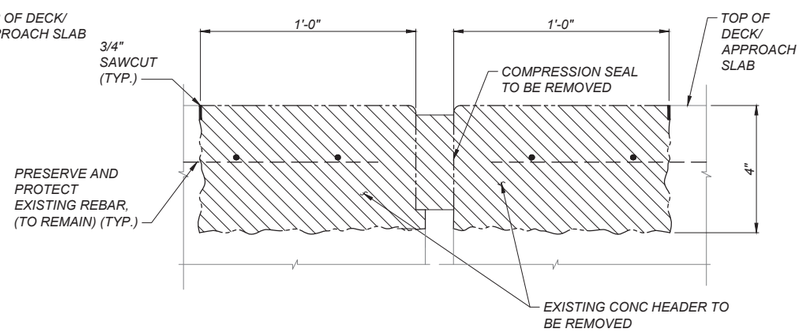
SECTION B
EXISTING CONDITION



PLAN AT EXPANSION JOINT



SECTION C
MODIFIED CONDITION



SECTION C
EXISTING CONDITION

NOTES:
1. MEASUREMENT ARE NORMAL TO JOINT.
2. * = FULLY COMPRESSED DEPTH PER SEAL MANUFACTURER.

SR5 JOB NO. ____ SHEET ____

Bridge Design Engr.	B. KHALEGHI										
Supervisor	H.L. COFFMAN										
Designed By	B.T. DEMEZA										
Checked By	D.M. SEGHETTI										
Detailed By	D.F. PROCTOR										
Bridge Projects Engr.	M. ROSA										
Prelim. Plan By											
Architect/Specialist		DATE	REVISION	BY	APP'D						

REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
10	WASH.			
JOB NUMBER 21A012				

HARVEY L. COFFMAN, STATE OF WASHINGTON, 26469, STRUCTURAL ENGINEER, PROFESSIONAL ENGINEER

SEE SHEET CT2
DATE

BRIDGE AND STRUCTURES OFFICE

Washington State Department of Transportation

COFFMAN ENGINEERS
10 N. Post St.
Spokane, WA 99201
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BRIDGE NO. 5/636E

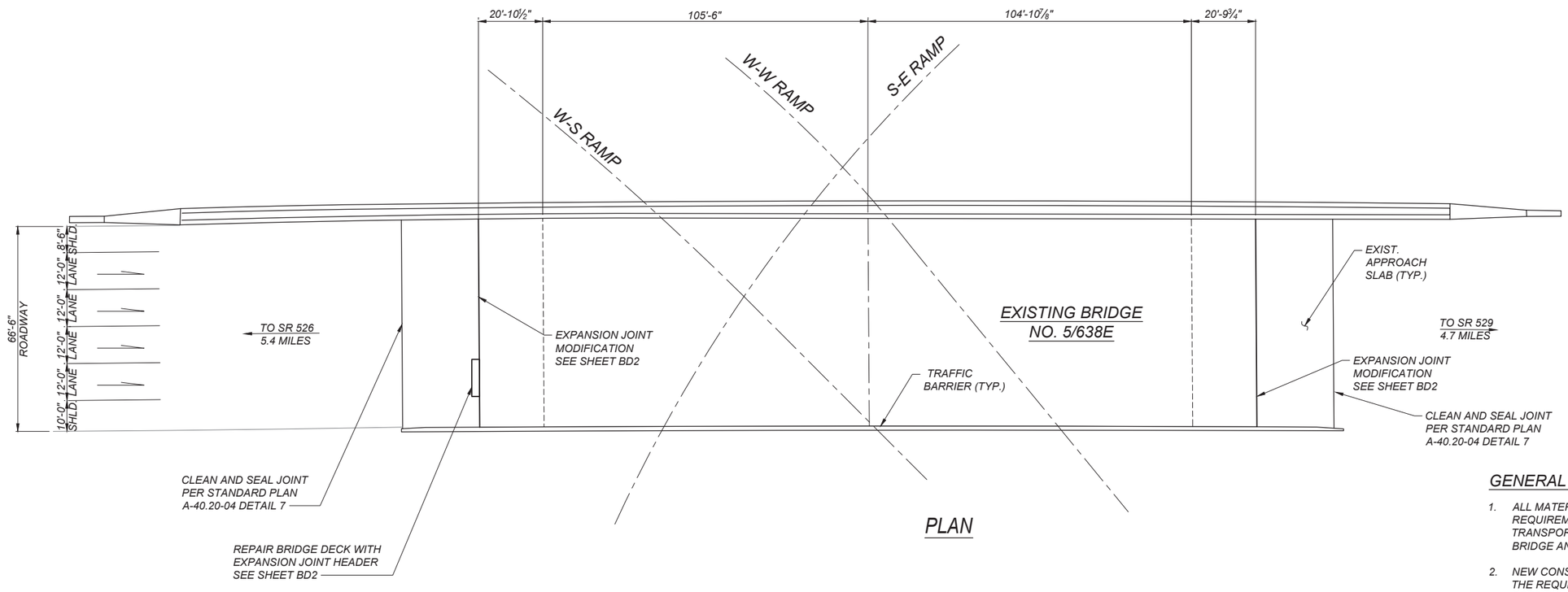
EXPANSION JOINT DETAILS

BRIDGE SHEET NO. BC2
SHEET 119 OF 240 SHEETS

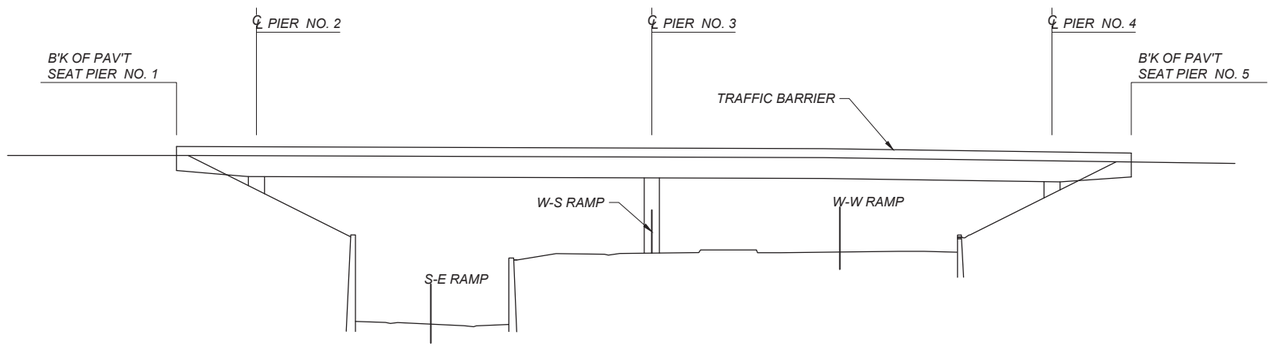
Wednesday, November 17,

SEC. 20, T.29N., R5E., W.M.
CITY OF EVERETT

I-5



PLAN



ELEVATION

GENERAL NOTES:

1. ALL MATERIAL AND WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATE OF WASHINGTON DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION DATED - 2022.
2. NEW CONSTRUCTION HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 9TH EDITION, DATED 2020.
3. EXISTING FEATURES AND DIMENSIONS ARE BASED ON AS-BUILT PLANS. ALL DIMENSIONS SHALL BE FIELD MEASURED AND VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND FABRICATION.
4. CONTRACTOR SHALL LOCATE EXISTING STEEL REINFORCING USING NONDESTRUCTIVE METHODS TO AVOID DAMAGE DURING CONCRETE REMOVAL OPERATIONS.
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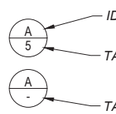
   - CONCRETE CLASS 4000.
   - REINFORCING STEEL BARS - EPOXY COATED ASTM A706, GRADE 60
6. THE MINIMUM CONCRETE COVER MEASURED FROM THE FACE OF THE CONCRETE TO THE FACE O F ANY REINFORCING STEEL SHALL BE 1 1/2"

LEGEND



EXPANSION JOINT MODIFICATION

Bridge Design Engr.	B. KHALEGHI					REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	H.L. COFFMAN					10	WASH.			
Designed By	B.T. DEMEZA					JOB NUMBER 21A012				
Checked By	D.M. SEGHETTI									
Detailed By	D.F. PROCTOR									
Bridge Projects Engr.	M. ROSA									
Prelim. Plan By										
Architect/Specialist		DATE	REVISION	BY	APP'D					

HARVEY L. COFFMAN STATE OF WASHINGTON 25469 PROFESSIONAL ENGINEER
SEE SHEET CT2
DATE

BRIDGE AND STRUCTURES OFFICE

Washington State Department of Transportation

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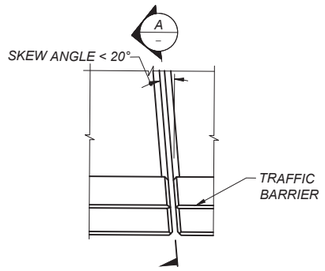
BRIDGE NO. 5/638E

LAYOUT

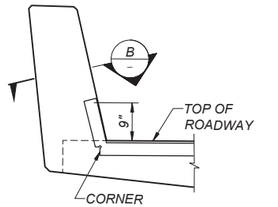
BRIDGE SHEET NO. BD1
SHEET 120 OF 240 SHEETS

SR5 JOB NO. ____ SHEET ____

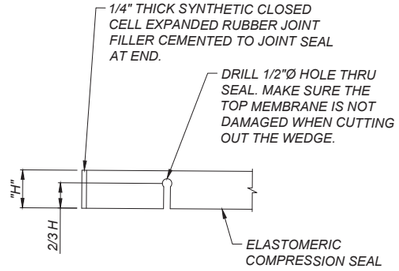
Wednesday, November 17,



PLAN EXPANSION JOINT AT TRAFFIC BARRIER



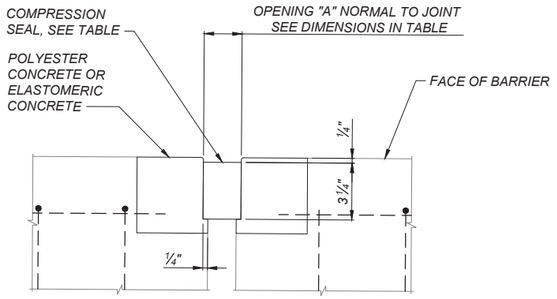
SECTION A



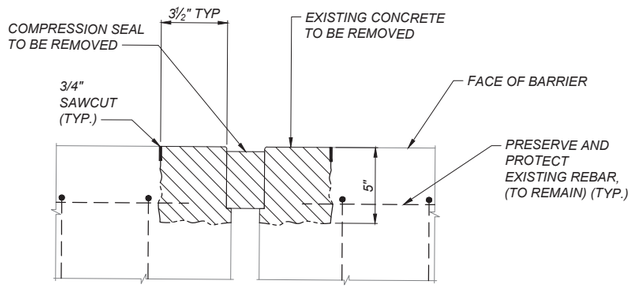
SEAL CUTTING DETAIL

EXPANSION JOINT TABLE					
LOCATION PIER #	EXPANSION JOINT LENGTH	OPENING "A" (NORMAL TO JOINT)			EXPANSION JOINT
		40 DEG F**	64 DEG F**	80 DEG F**	
PIER 1	66'-6"	2 1/8"	1 7/8"	1 5/8"	WATSON BOWMAN ACME WA-300 OR DS BROWN CV-3000
PIER 5	66'-6"	2 1/8"	1 7/8"	1 5/8"	

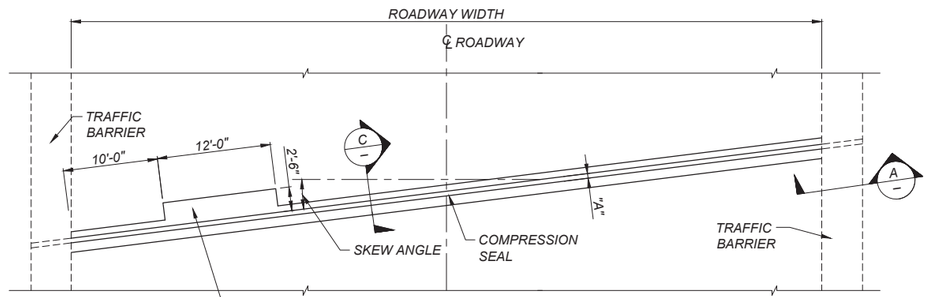
**"TEMPERATURE OF STRUCTURE AT TIME OF JOINT HEADER CONCRETE PLACEMENT."



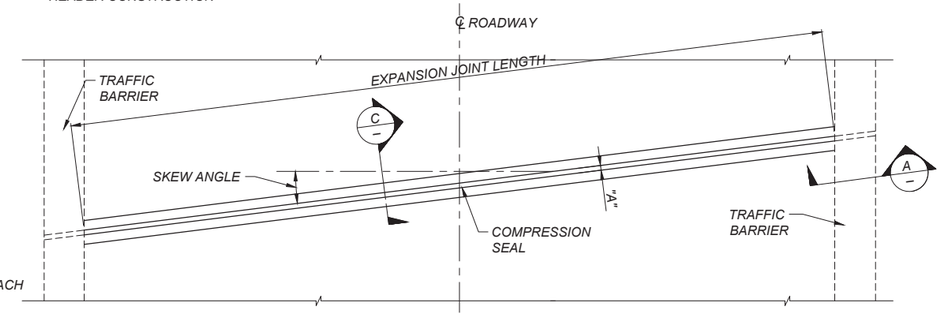
SECTION B MODIFIED CONDITION



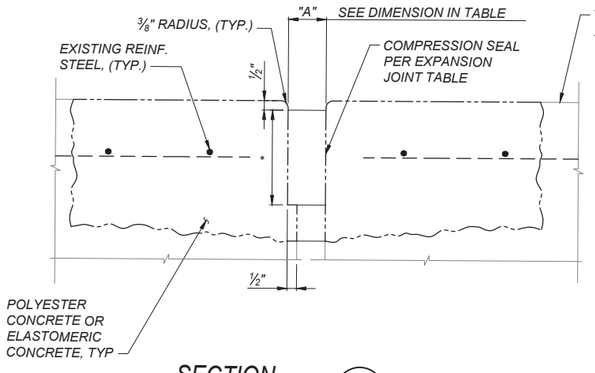
SECTION B EXISTING CONDITION



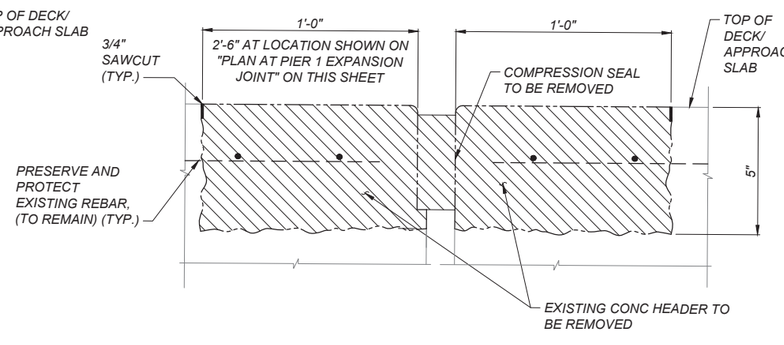
PLAN AT PIER 1 EXPANSION JOINT



PLAN AT PIER 5 EXPANSION JOINT



SECTION C MODIFIED CONDITION



SECTION C EXISTING CONDITION

NOTES:
1. MEASUREMENT ARE NORMAL TO JOINT.
2. * = FULLY COMPRESSED DEPTH PER SEAL MANUFACTURER.

SR5 JOB NO. ____ SHEET ____

Bridge Design Engr.	B. KHALEGHI					REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor	H.L. COFFMAN					10	WASH.			
Designed By	B.T. DEMEZA					JOB NUMBER 21A012				
Checked By	D.M. SEGHETTI									
Detailed By	D.F. PROCTOR									
Bridge Projects Engr.	M. ROSA									
Prelim. Plan By										
Architect/Specialist		DATE	REVISION	BY	APP'D					

HARVEY L. COFFMAN STATE OF WASHINGTON 26469 STRUCTURAL ENGINEER PROFESSIONAL ENGINEER
SEE SHEET CT2 DATE

BRIDGE AND STRUCTURES OFFICE

Washington State Department of Transportation

COFFMAN ENGINEERS
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Spokane, WA 99201
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PCCP EXP JNT REHAB & DECK OVERLAY
BRIDGE NO. 5/638E

EXPANSION JOINT DETAILS

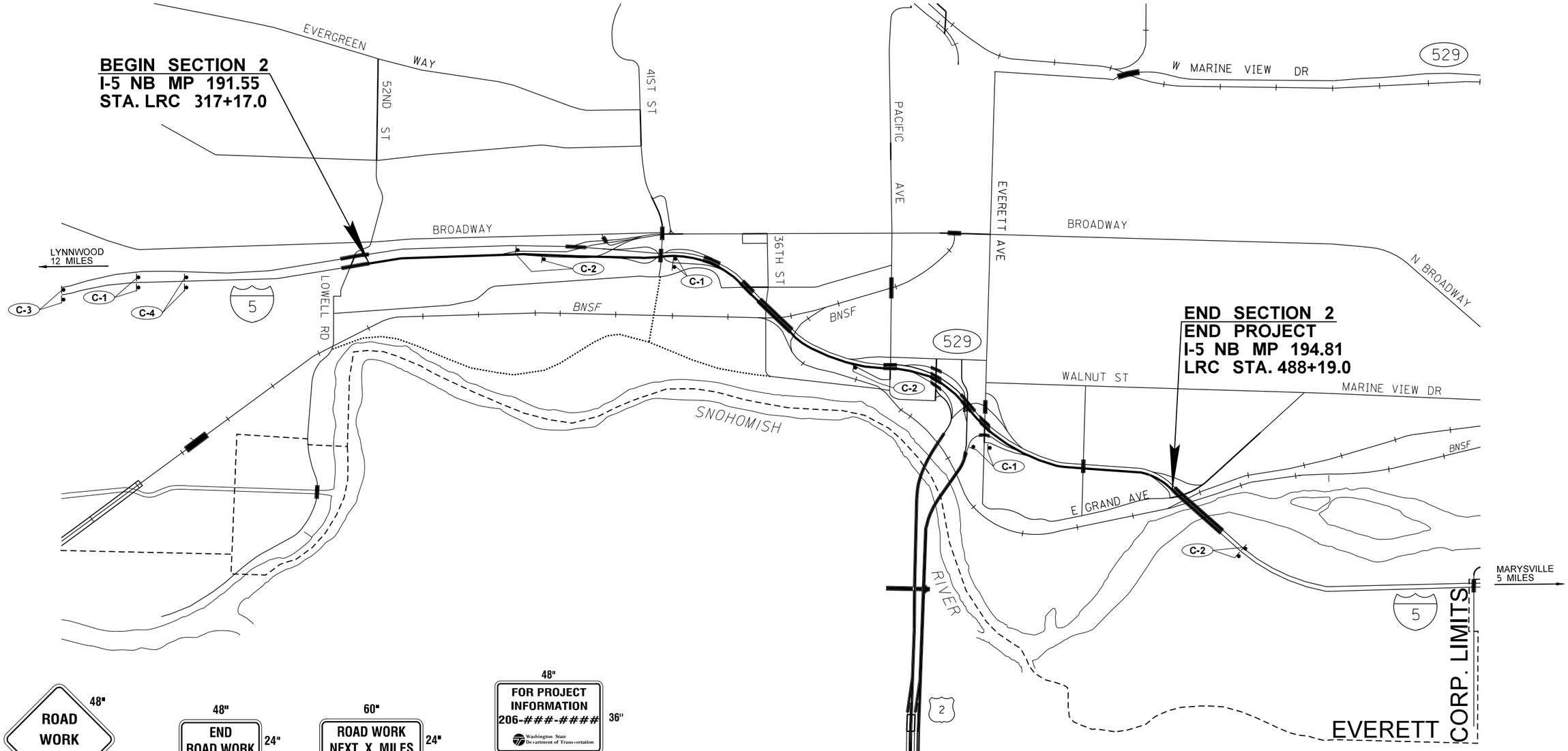
BRIDGE SHEET NO. BD2

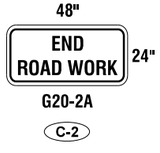
SHEET 121 OF 240 SHEETS

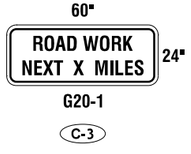
Wednesday, November 17,

SNOHOMISH COUNTY

EVERETT







0 1000 2000
SCALE IN FEET

SEE SHEET TC38 FOR SIGN DETAILS

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_CA.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	9:55:31 AM				10	WASH	
DATE	11/22/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State
Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB& DECK OVERLAY

CONSTRUCTION SIGNS CLASS A

Plot 1
PLAN REF NO
CA1
SHEET
122
OF
240
SHEETS

QUANTITY TABULATION - TEMP PAVEMENT MARKING - WEST

NOTE:
THE FIRST NUMBER OF THE "CODE" BELOW REFERS TO THE SHEET NO. OR THE SHEET REFERENCE NO. SHOWING THE CONSTRUCTION FEATURE.

THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THAT SHEET.

CODE	LOCATION ↓ \ UNIT OF MEASURE →	TEMPORARY PAVEMENT MARKING - LONG DURATION *	TEMPORARY MISC. PAVEMENT MARKINGS - LONG DURATION	SEE GENERAL NOTES
		L.F.	EACH	
	SECTION 2			
TW1-1	LRC 371+14 (36' RT) - 385+20 (25' RT)	1400		5
TW1-2	LRC 371+74 (24' RT) - 451+56 (24' RT)	7980		3
TW1-3	LRC 372+34 (12' RT) - 450+96 (12' RT)	7860		3
TW1-4	LRC 372+94 (CL) - 430+00 (8' LT)	5710		2
TW1-5	LRC 373+54 (12' LT) - 449+76 (12' LT)	7640		1
TW1-6	LRC 374+69 (8.4' LT)		1	7
TW2-1	LRC 384+32 (14' LT)		1	7
TW2-2	LRC 385+20 (25' RT) - 394+61 (25' RT)	1030		6
TW2-3	LRC 389+66 (36' RT) - 394+61 (25' RT)	490		6
TW2-4	LRC 389+66 (48' RT) - 411+62 (48' RT)	2200		5
TW2-5	LRC 394+61 (25' RT) - 413+80 (25' RT)	1930		3
TW2-6	LRC 394+82 (13.5' LT)		1	7
TW3-1	LRC 404+85 (13.5' LT)		1	7
TW4-1	LRC 412+04 (36' RT) - 417+33 (36' RT)	640		6
TW4-2	LRC 412+04 (36' RT) - 413+80 (48' RT)	180		6
TW4-3	LRC 413+80 (25' RT) - 424+67 (25' RT)	1100		4
TW4-4	414+81 (13.5' LT)		1	7
TW4-5	LRC 417+33 (36' RT) - 427+39 (48' RT)	1010		5
TW5-1	LRC 424+67 (25' RT) - 425+89 (25' RT)	130		2
TW5-2	LRC 425+89 (25' RT) - 427+59 (36' RT)	170		6
TW5-3	LRC 425+89 (25' RT) - 433+68 (25' RT)	860		6
TW5-4	LRC 430+00 (8' LT) - 450+36 (CL)	2040		3
TW5-5	LRC 433+68 (25' RT) - 452+16 (36' RT)	1840		5
TW8-1	LRC 472+00 (24' RT) - 479+46 (13' RT)	800		6
TW8-2	LRC 472+60 (12' RT) - 492+34 (12.7' RT)	1980		3
TW8-3	LRC 473+20 (CL) - 491+30 (CL)	1820		3
TW8-4	LRC 473+80 (12' LT) - 491+14 (11.3' LT)	1750		1
TW8-5	LRC 479+46 (13' RT) - 492+94 (24.7' RT)	1340		5
	SHEET TOTAL	51900	5	
	PROJECT TOTAL	51900	5	

GENERAL NOTES:

NOTES

FOR REMOVAL OF EXISTING PAVEMENT MARKING QUANTITIES, SEE SHEETS QPM2 - QPM3.

* FOR ADDITIONAL QUANTITIES, SEE SHEETS QPM2 - QPM3.

ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PAINT.

GENERAL NOTES

1. YELLOW EDGE LINE SUPPLEMENTED WITH RAISED PAVEMENT MARKERS (RPM) AT 40' SPACING.

2. WIDE LANE LINE.

3. LANE LINE SUPPLEMENTED WITH RAISED PAVEMENT MARKERS (RPM) AT 40' SPACING.

4. WIDE DOTTED LANE LINE SUPPLEMENTED WITH TYPE 2 RAISED PAVEMENT MARKERS (RPM).

5. WHITE EDGE LINE.

6. GORE AREA SUPPLEMENTED WITH TYPE 2 RAISED PAVEMENT MARKERS.

7. HOV LANE SYMBOL.

						REGION NO.	STATE	FED. AID PROJ. NO.		
						10	WASH			
DESIGNED BY	B. KOSA					JOB NUMBER				
ENTERED BY	B. KOSA					21A012				
CHECKED BY	L. CLAYWELL					CONTRACT NO.				
PROJ. ENGR.	A. EMERSON									
REGION ADM.	M. COTTON									
		DATE	DATE	REVISION	BY					

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

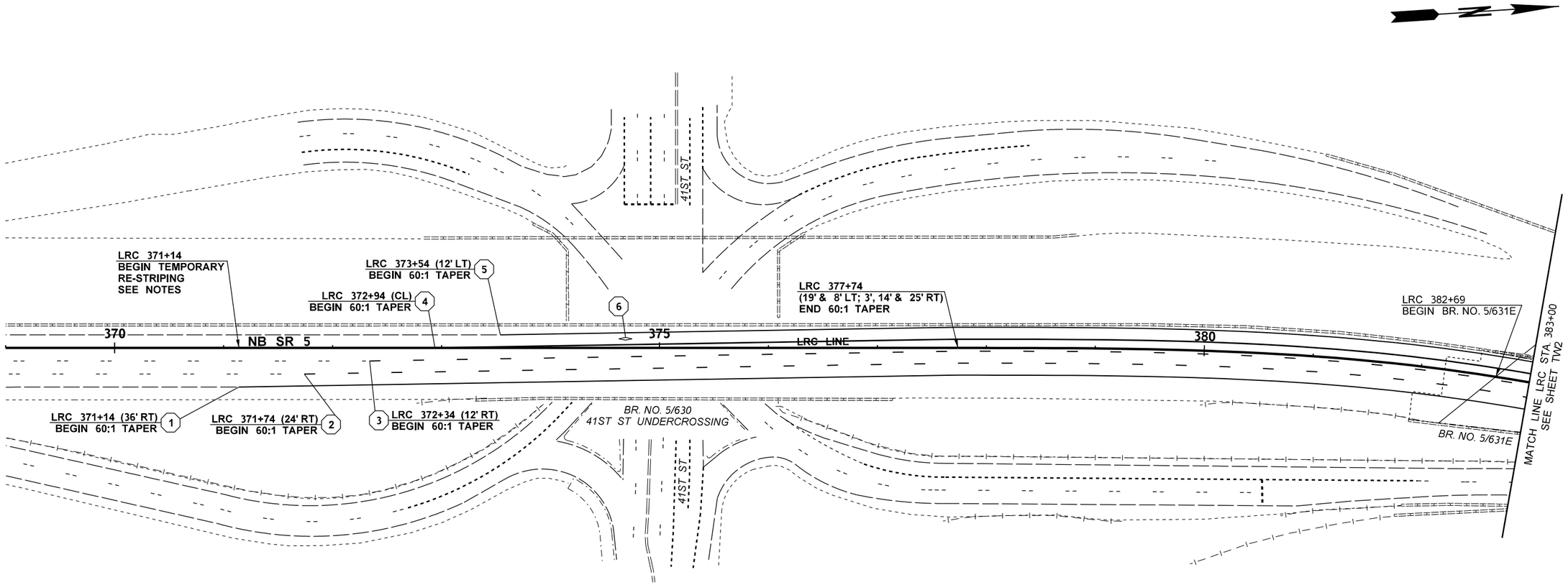
QUANTITY TABULATION - TEMP PAVEMENT MARKING - WEST

QTW 1

SHEET 123 **OF** 240 **SHEETS**

NOTES

1. REMOVE AND REPLACE EXISTING PAVEMENT MARKINGS WITH TEMPORARY PAVEMENT MARKINGS PER THE CALLOUTS ON THIS SHEET. SEE TRAFFIC CONTROL PLANS FOR WORK IN THIS AREA.



SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TPW.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	Plot 5
TIME	10:12:28 AM							PLAN REF NO TW1
DATE	11/22/2021							
PLOTTED BY	haukapa				JOB NUMBER 21A012			SHEET 124 OF 240 SHEETS
DESIGNED BY	B. KOSA							
ENTERED BY	B. KOSA				CONTRACT NO.		LOCATION NO.	
CHECKED BY	L. CLAYWELL							
PROJ. ENGR.	A. EMERSON							
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY				

ADAM A. EMERSON — STATE OF WASHINGTON — 55567 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT2
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

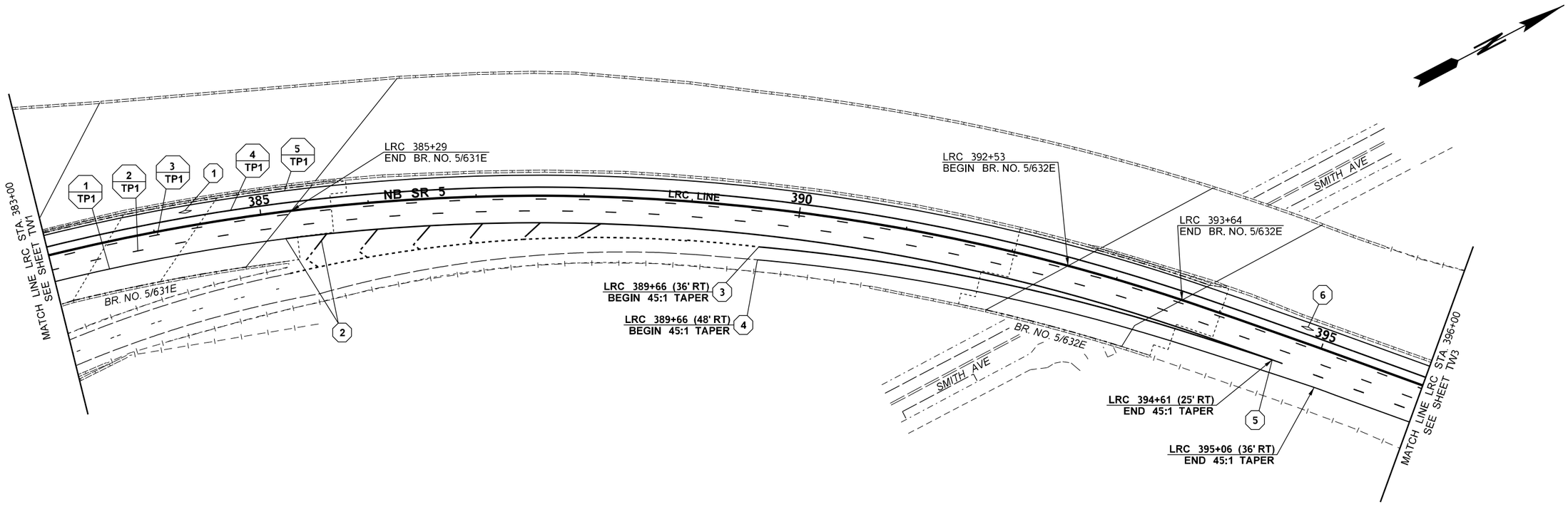
Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TEMP PAVEMENT MARKING - WEST

NOTES

1. **REMOVE AND REPLACE EXISTING PAVEMENT MARKINGS WITH TEMPORARY PAVEMENT MARKINGS PER THE CALLOUTS ON THIS SHEET. SEE TRAFFIC CONTROL PLANS FOR WORK IN THIS AREA.**



0 50 100
SCALE IN FEET

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TPW.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	10:12:59 AM				10	WASH	
DATE	11/22/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

ADAM A. EMERSON — STATE OF WASHINGTON — 25567 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT2
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

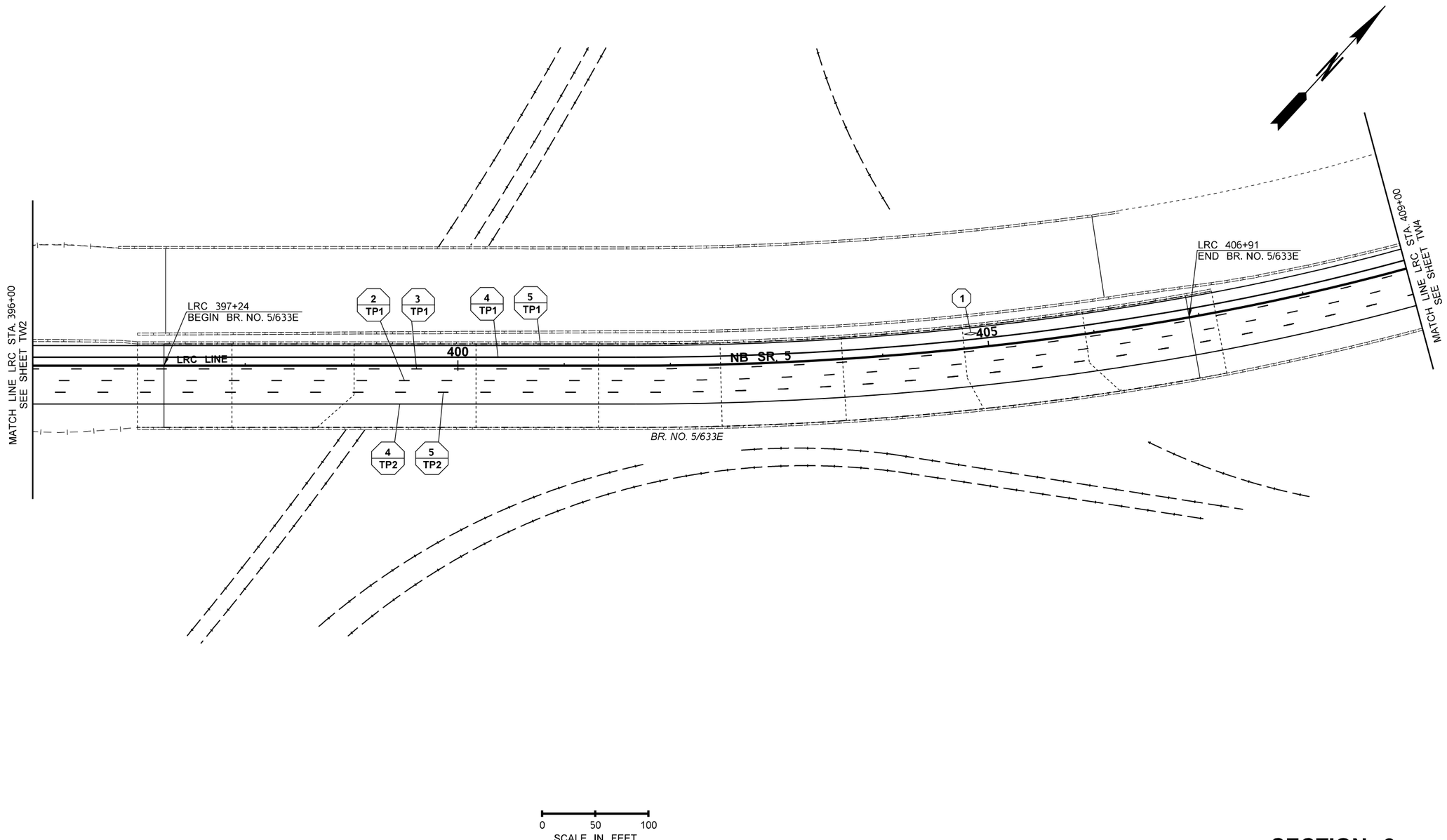
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TEMP PAVEMENT MARKING - WEST

Plot 6
PLAN REF NO TW2
SHEET 125 OF 240 SHEETS

NOTES

1. REMOVE AND REPLACE EXISTING PAVEMENT MARKINGS WITH TEMPORARY PAVEMENT MARKINGS PER THE CALLOUTS ON THIS SHEET. SEE TRAFFIC CONTROL PLANS FOR WORK IN THIS AREA.



SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TPW.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	10:13:23 AM						
DATE	11/22/2021						
PLOTTED BY	haukapa				JOB NUMBER 21A012		
DESIGNED BY	B. KOSA						
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

ADAM A. EMERSON — STATE OF WASHINGTON — 21556 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT2 — DATE — P.E. STAMP BOX

DATE — P.E. STAMP BOX

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

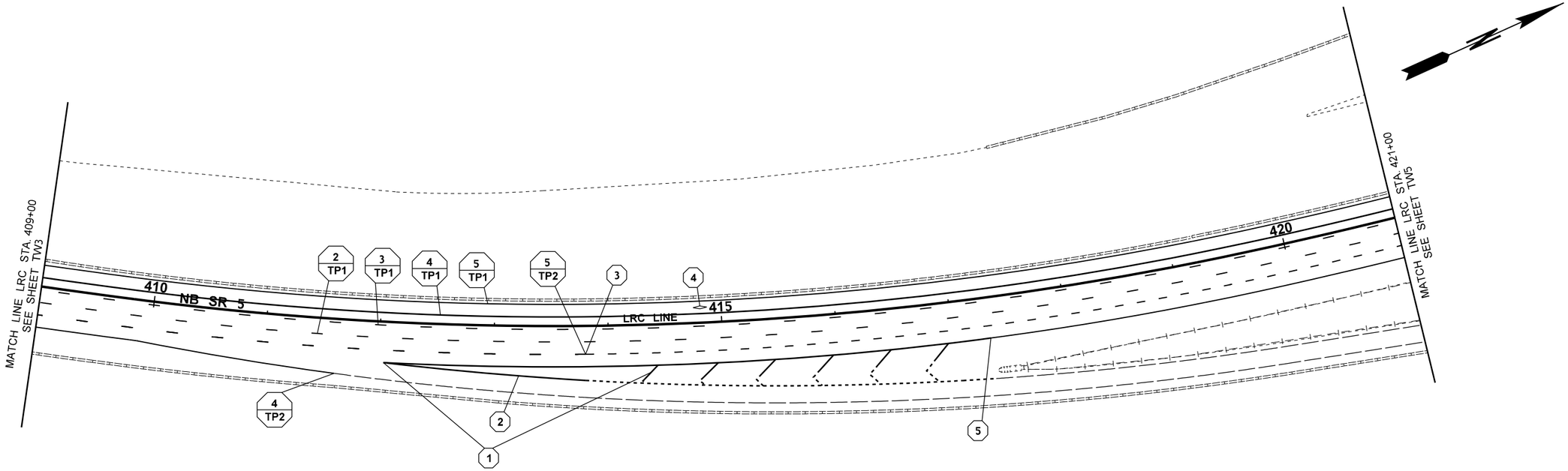
TEMP PAVEMENT MARKING - WEST

PLAN REF NO TW3

SHEET 126 OF 240 SHEETS

NOTES

1. REMOVE AND REPLACE EXISTING PAVEMENT MARKINGS WITH TEMPORARY PAVEMENT MARKINGS PER THE CALLOUTS ON THIS SHEET. SEE TRAFFIC CONTROL PLANS FOR WORK IN THIS AREA.

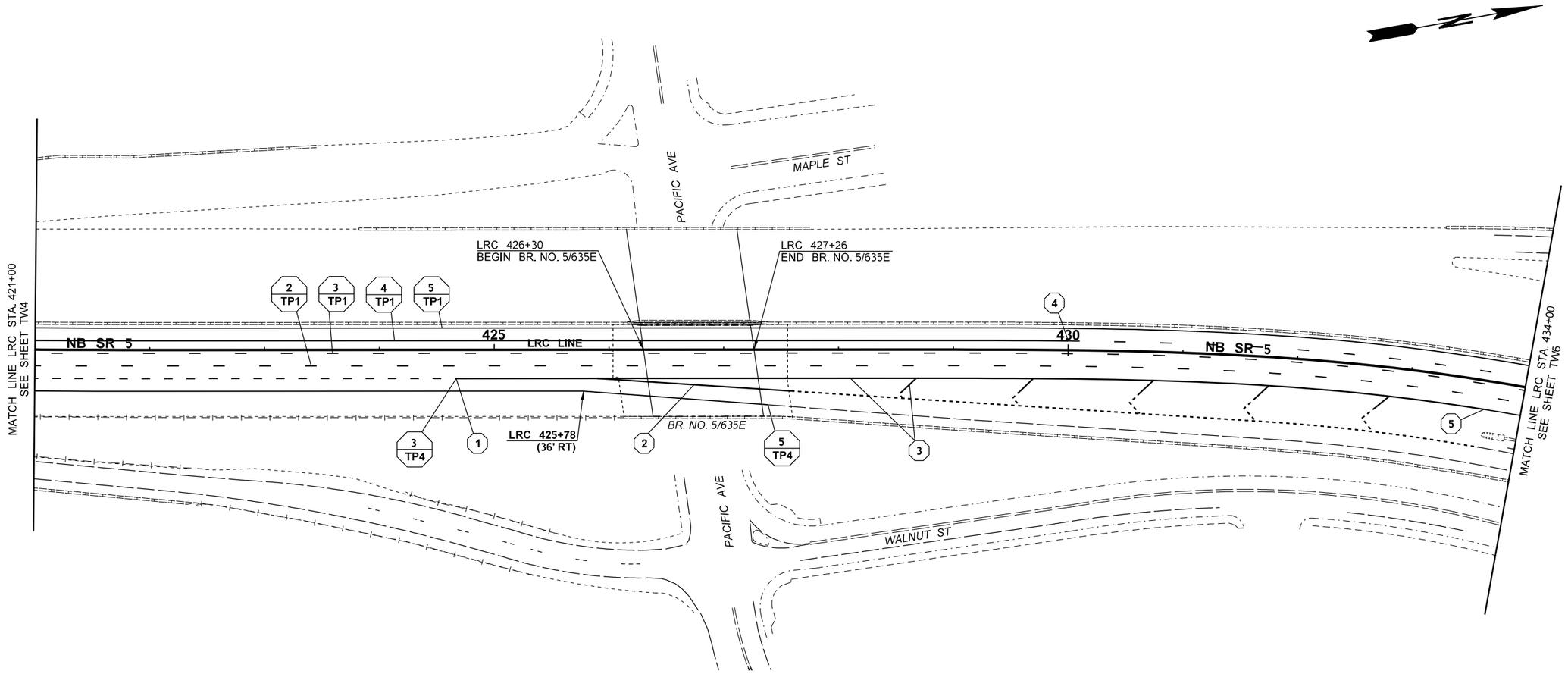


SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TPW.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	ADAM A. EMERSON STATE OF WASHINGTON 19536 REGISTERED PROFESSIONAL ENGINEER	Washington State Department of Transportation	I-90 & I-5 E SUNSET WAY VIC & NB LOWELL RD VIC PCCP EXP JNT REHAB & DECK OVERLAY	PLAN REF NO TW4
TIME	10:13:43 AM										
DATE	11/22/2021										
PLOTTED BY	haukapa										
DESIGNED BY	B. KOSA				JOB NUMBER 21A012						SHEET 127 OF 240 SHEETS
ENTERED BY	B. KOSA										
CHECKED BY	L. CLAYWELL										
PROJ. ENGR.	A. EMERSON				CONTRACT NO.		LOCATION NO.	SEE SHEET CT2 DATE P.E. STAMP BOX	DATE P.E. STAMP BOX	TEMP PAVEMENT MARKING - WEST	
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY							

NOTES

1. REMOVE AND REPLACE EXISTING PAVEMENT MARKINGS WITH TEMPORARY PAVEMENT MARKINGS PER THE CALLOUTS ON THIS SHEET. SEE TRAFFIC CONTROL PLANS FOR WORK IN THIS AREA.



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SCALE IN FEET

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TPW.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	10:14:06 AM				10	WASH	
DATE	11/22/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

ADAM A. EMERSON — STATE OF WASHINGTON — 55567 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT2
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

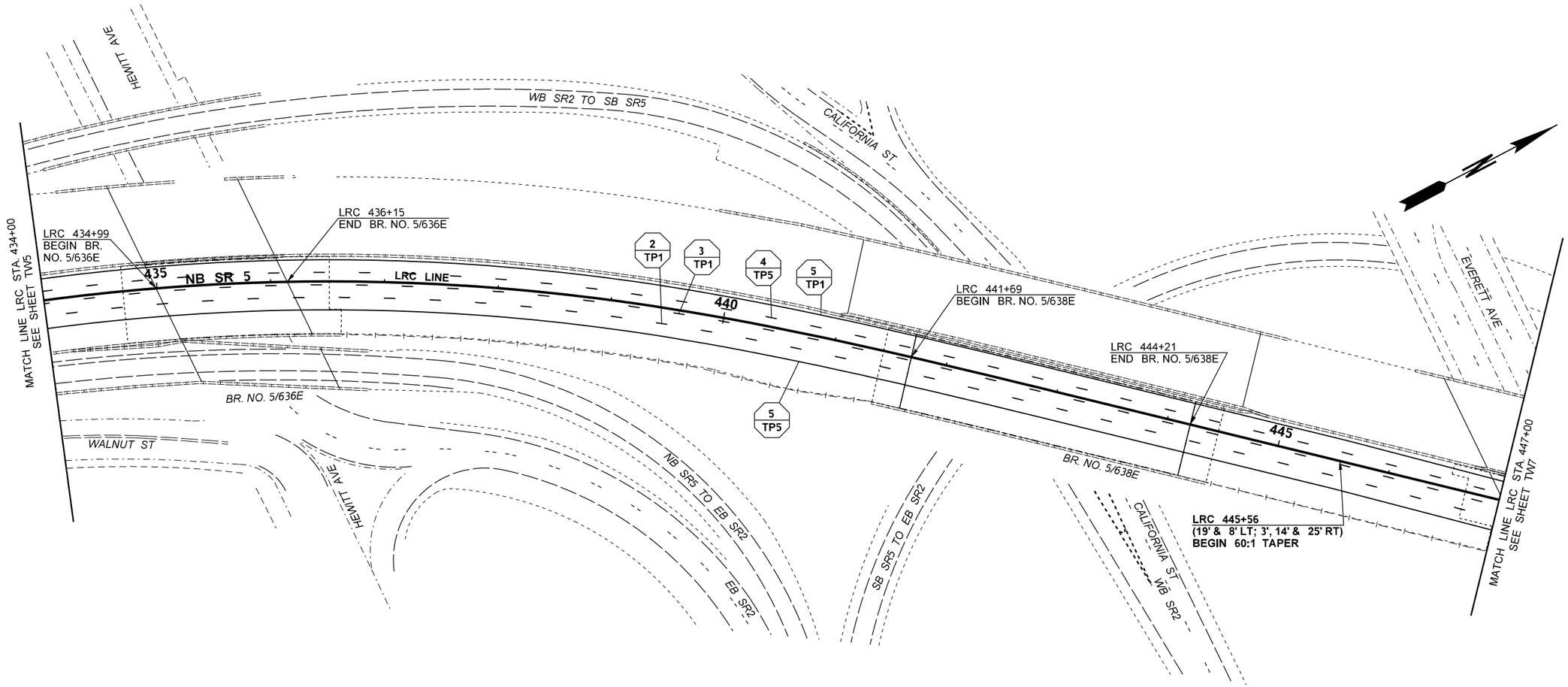
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TEMP PAVEMENT MARKING - WEST

Plot 9
PLAN REF NO TW5
SHEET 128 OF 240 SHEETS

NOTES

1. **REMOVE AND REPLACE EXISTING PAVEMENT MARKINGS WITH TEMPORARY PAVEMENT MARKINGS PER THE CALLOUTS ON THIS SHEET. SEE TRAFFIC CONTROL PLANS FOR WORK IN THIS AREA.**



SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TPW.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	10:14:30 AM				10	WASH	
DATE	11/22/2021						
PLOTTED BY	haukapa				JOB NUMBER		
DESIGNED BY	B. KOSA				21A012		
ENTERED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

ADAM A. EMERSON — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT2 — DATE — P.E. STAMP BOX

DATE — P.E. STAMP BOX

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TEMP PAVEMENT MARKING - WEST

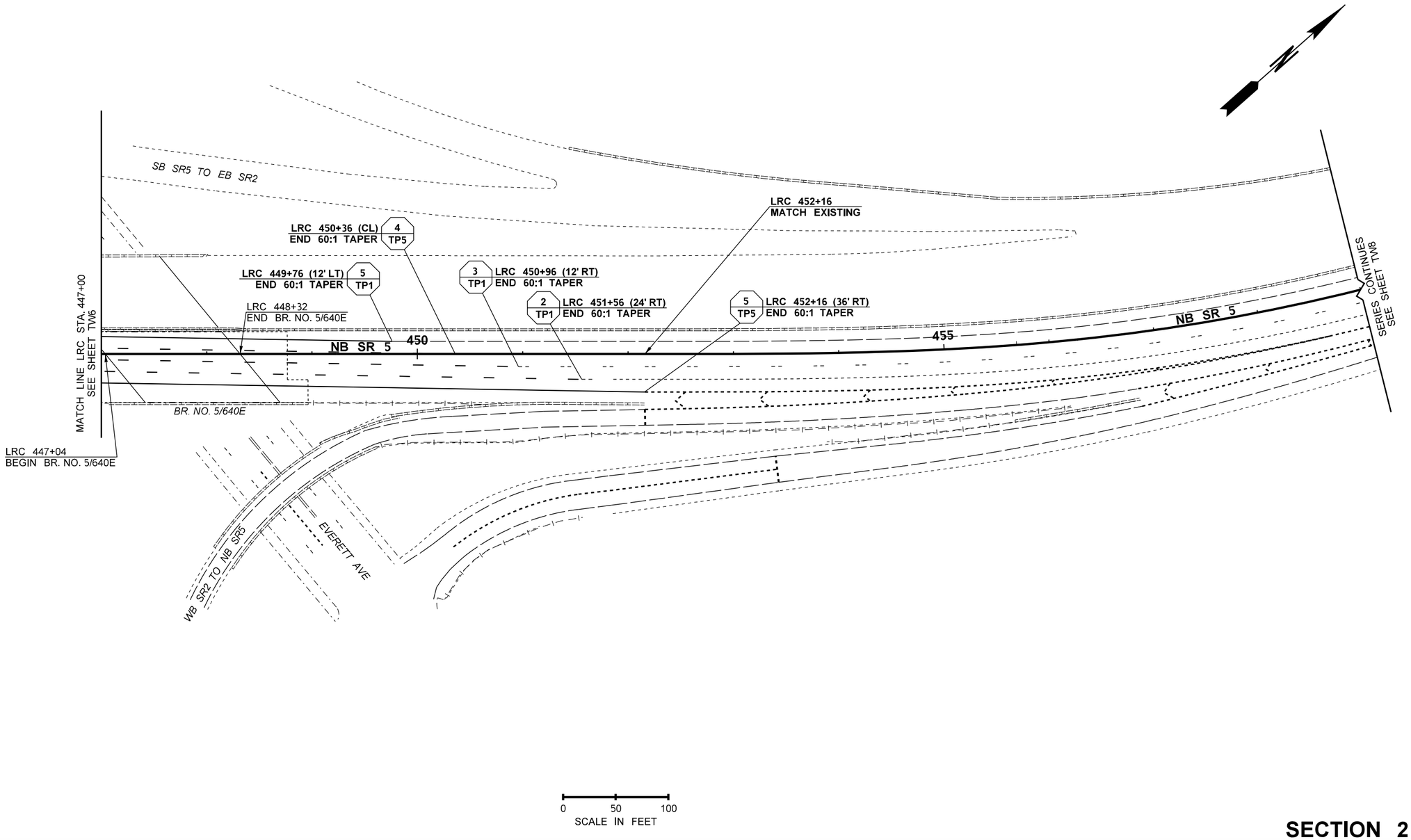
Plot 10

PLAN REF NO TW6

SHEET 129 OF 240 SHEETS

NOTES

1. REMOVE AND REPLACE EXISTING PAVEMENT MARKINGS WITH TEMPORARY PAVEMENT MARKINGS PER THE CALLOUTS ON THIS SHEET. SEE TRAFFIC CONTROL PLANS FOR WORK IN THIS AREA.



SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TPW.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	10:14:53 AM				10	WASH	
DATE	11/22/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

ADAM A. EMERSON — STATE OF WASHINGTON — 55567 — REGISTERED PROFESSIONAL ENGINEER

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DATE
P.E. STAMP BOX

Washington State Department of Transportation

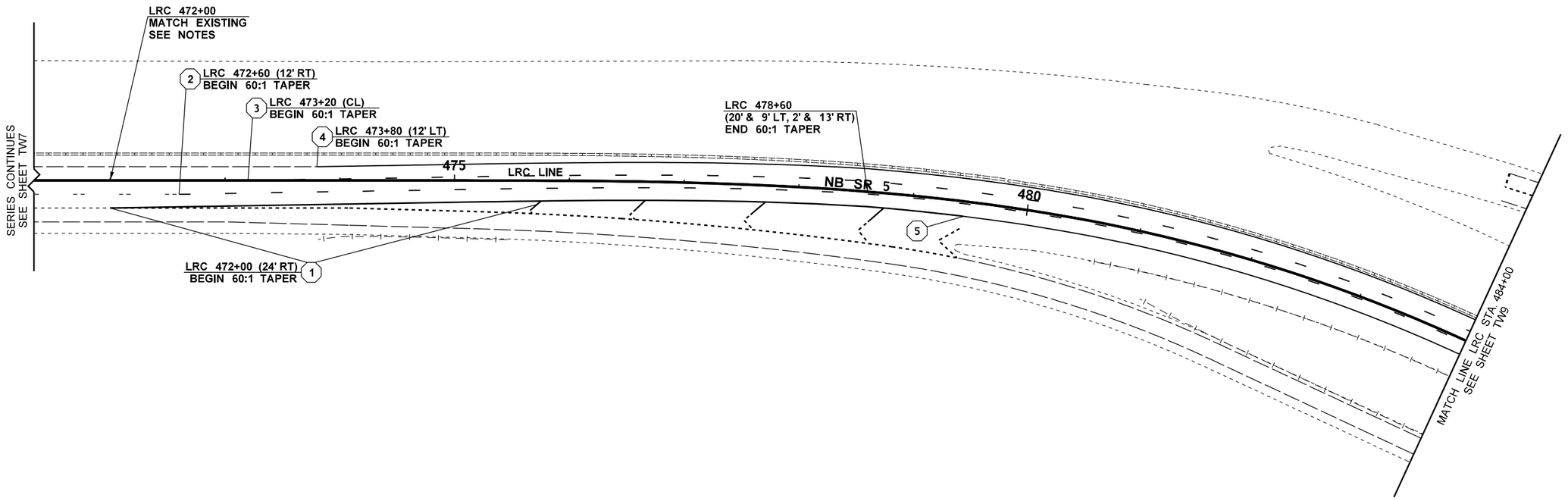
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TEMP PAVEMENT MARKING - WEST

Plot 11
PLAN REF NO TW7
SHEET 130 OF 240 SHEETS

NOTES

1. REMOVE AND REPLACE EXISTING PAVEMENT MARKINGS WITH TEMPORARY PAVEMENT MARKINGS PER THE CALLOUTS ON THIS SHEET. SEE TRAFFIC CONTROL PLANS FOR WORK IN THIS AREA.



0 50 100
SCALE IN FEET

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish RIver_PCCP & Expansion Joint Rehab\CAD FIles\PS&E\XL6261_PS_TPW.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	10:15:21 AM						
DATE	11/22/2021						
PLOTTED BY	haukapa				JOB NUMBER 21A012		
DESIGNED BY	B. KOSA						
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

ADAM A. EMERSON — STATE OF WASHINGTON — 25567 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT2
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

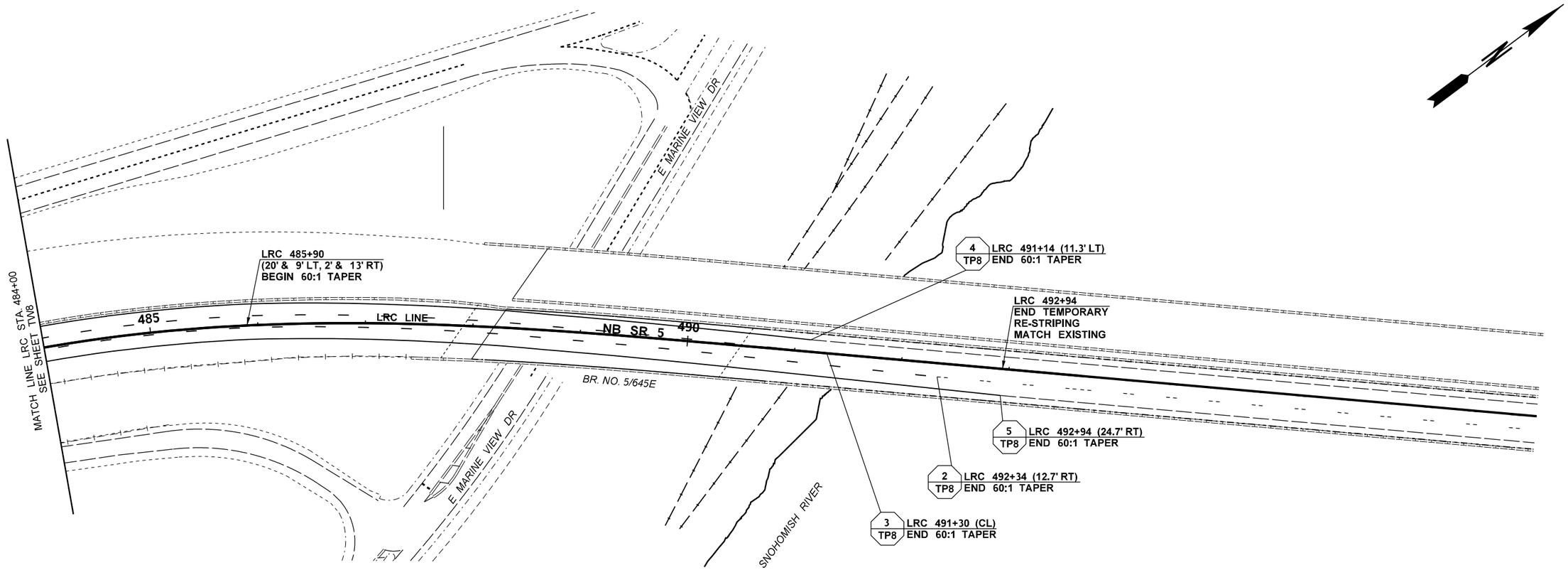
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TEMP PAVEMENT MARKING - WEST

Plot 13
PLAN REF NO TW8
SHEET 131 OF 240 SHEETS

NOTES

1. REMOVE AND REPLACE EXISTING PAVEMENT MARKINGS WITH TEMPORARY PAVEMENT MARKINGS PER THE CALLOUTS ON THIS SHEET. SEE TRAFFIC CONTROL PLANS FOR WORK IN THIS AREA.



SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TPW.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	10:15:47 AM						
DATE	11/22/2021						
PLOTTED BY	haukapa						
DESIGNED BY	B. KOSA				JOB NUMBER 21A012		
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

ADAM A. EMERSON — STATE OF WASHINGTON — 55567 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT2
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TEMP PAVEMENT MARKING - WEST

Plot 14
PLAN REF NO TW9
SHEET 132 OF 240 SHEETS

QUANTITY TABULATION - TEMP PAVEMENT MARKING - EAST

NOTE:
THE FIRST NUMBER OF THE "CODE" BELOW REFERS TO THE SHEET NO. OR THE SHEET REFERENCE NO. SHOWING THE CONSTRUCTION FEATURE.

THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THAT SHEET.

CODE	LOCATION ↓ \ UNIT OF MEASURE →	TEMPORARY PAVEMENT MARKING - LONG DURATION * L.F.	TEMPORARY MISC. PAVEMENT MARKINGS - LONG DURATION EACH	SEE GENERAL NOTES
	SECTION 2			
TE1-1	LRC 371+74 (12' LT) - 392+06 (12' LT)	2040		1
TE1-2	LRC 372+34 (CL) - 391+46 (CL)	1910		2
TE1-3	LRC 372+94 (12' RT) - 390+86 (12' RT)	1790		3
TE1-4	LRC 373+54 (24' RT) - 390+26 (24' RT)	1660		3
TE1-5	LRC 374+14 (36' RT) - 385+20 (42' RT)	1100		5
TE1-6	LRC 374+69 (1.6' LT)	25	1	7
TE2-1	LRC 384+32 (3.5' RT)	25	1	7
TE2-2	LRC 385+20 (42' RT) - 389+66 (36' RT)	440		6
TE2-3	LRC 385+20 (57.5' RT) - 389+66 (36' RT)	460		6
TE3-1	LRC 417+42 (12' LT) - 452+16 (12' LT)	3480		1
TE3-2	LRC 418+02 (CL) - 430+00 (10' RT)	1200		2
TE3-3	LRC 418+62 (12' RT) - 450+96 (12' RT)	3230		3
TE3-4	LRC 419+22 (24' RT) - 450+36 (24' RT)	3100		3
TE3-5	LRC 419+82 (36' RT) - 424+67 (43' RT)	490		4
TE3-6	LRC 420+42 (48' RT) - 428+19 (54' RT)	780		5
TE4-1	LRC 424+67 (43' RT) - 428+66 (43' RT)	400		2
TE4-2	LRC 428+66 (43' RT) - 433+68 (43' RT)	500		6
TE4-3	LRC 430+00 (10' RT) - 451+56 (CL)	2150		3
TE4-4	LRC 433+68 (43' RT) - 449+76 (36' RT)	1600		5
	SHEET TOTAL	26380	2	
	PROJECT TOTAL	26380	2	

GENERAL NOTES:

NOTES

FOR REMOVAL OF EXISTING PAVEMENT MARKING QUANTITIES, SEE SHEETS QPM2 - QPM3.

* FOR ADDITIONAL QUANTITIES, SEE SHEETS QPM2 - QPM3.

ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PAINT.

GENERAL NOTES

1. YELLOW EDGE LINE SUPPLEMENTED WITH RAISED PAVEMENT MARKERS (RPM) AT 40' SPACING.

2. WIDE LANE LINE.

3. LANE LINE SUPPLEMENTED WITH RAISED PAVEMENT MARKERS (RPM) AT 40' SPACING.

4. WIDE DOTTED LANE LINE SUPPLEMENTED WITH TYPE 2 RAISED PAVEMENT MARKERS (RPM).

5. WHITE EDGE LINE.

6. GORE AREA SUPPLEMENTED WITH TYPE 2 RAISED PAVEMENT MARKERS.

7. HOV LANE SYMBOL.

		DATE	DATE	REVISION	BY
DESIGNED BY	B. KOSA				
ENTERED BY	B. KOSA				
CHECKED BY	L. CLAYWELL				
PROJ. ENGR.	A. EMERSON				
REGION ADM.	M. COTTON				

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	

JOB NUMBER 21A012

CONTRACT NO.

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

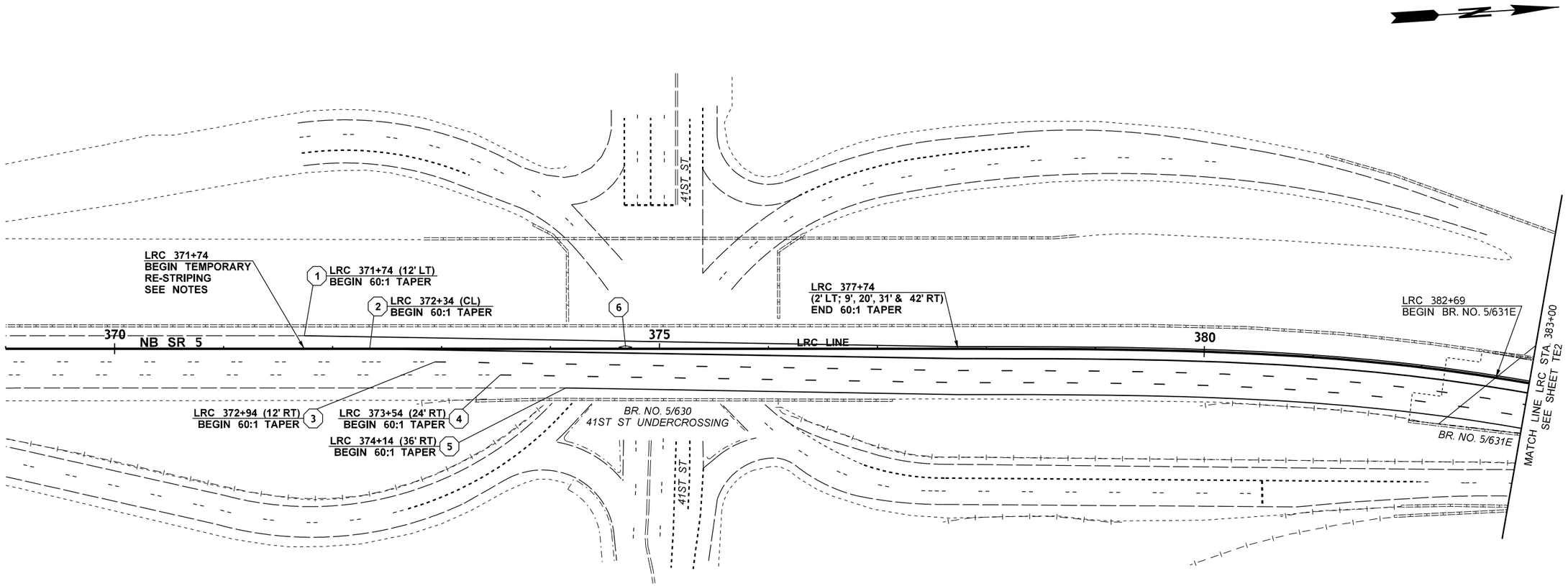
QUANTITY TABULATION - TEMP PAVEMENT MARKING - EAST

QTE 1

SHEET 133 **OF** 240 **SHEETS**

NOTES

1. REMOVE AND REPLACE EXISTING PAVEMENT MARKINGS WITH TEMPORARY PAVEMENT MARKINGS PER THE CALLOUTS ON THIS SHEET. SEE TRAFFIC CONTROL PLANS FOR WORK IN THIS AREA.



SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TPE.dgn				REGION NO.	STATE	FED.AID PROJ.NO.	Plot 5
TIME	10:23:13 AM				10	WASH		PLAN REF NO TE1
DATE	11/22/2021							
PLOTTED BY	haukapa				JOB NUMBER			
DESIGNED BY	B. KOSA				21A012			SHEET 134 OF 240 SHEETS
ENTERED BY	B. KOSA							
CHECKED BY	L. CLAYWELL				CONTRACT NO.		LOCATION NO.	
PROJ. ENGR.	A. EMERSON							
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY				

ADAM A. EMERSON — STATE OF WASHINGTON — 25367 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT2
DATE
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DATE
P.E. STAMP BOX

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TEMP PAVEMENT MARKING - EAST

NOTES

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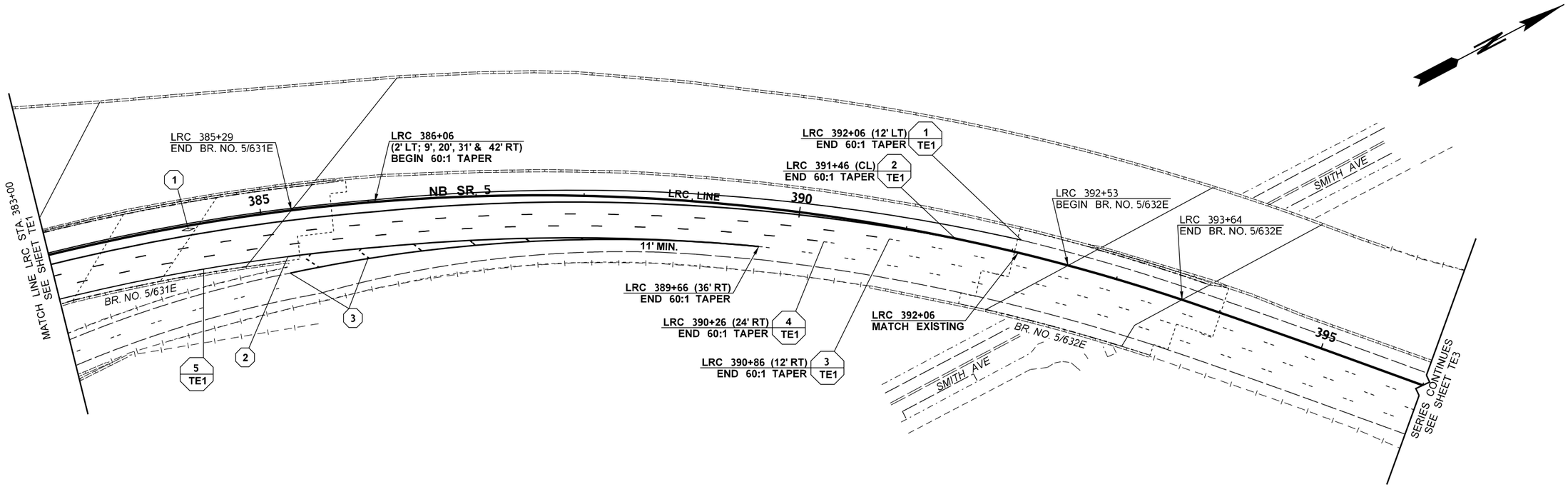


SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TPE.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	10:23:33 AM						
DATE	11/22/2021						
PLOTTED BY	haukapa				JOB NUMBER 21A012		
DESIGNED BY	B. KOSA						
ENTERED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

ADAM A. EMERSON — STATE OF WASHINGTON — 55567 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT2

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TEMP PAVEMENT MARKING - EAST

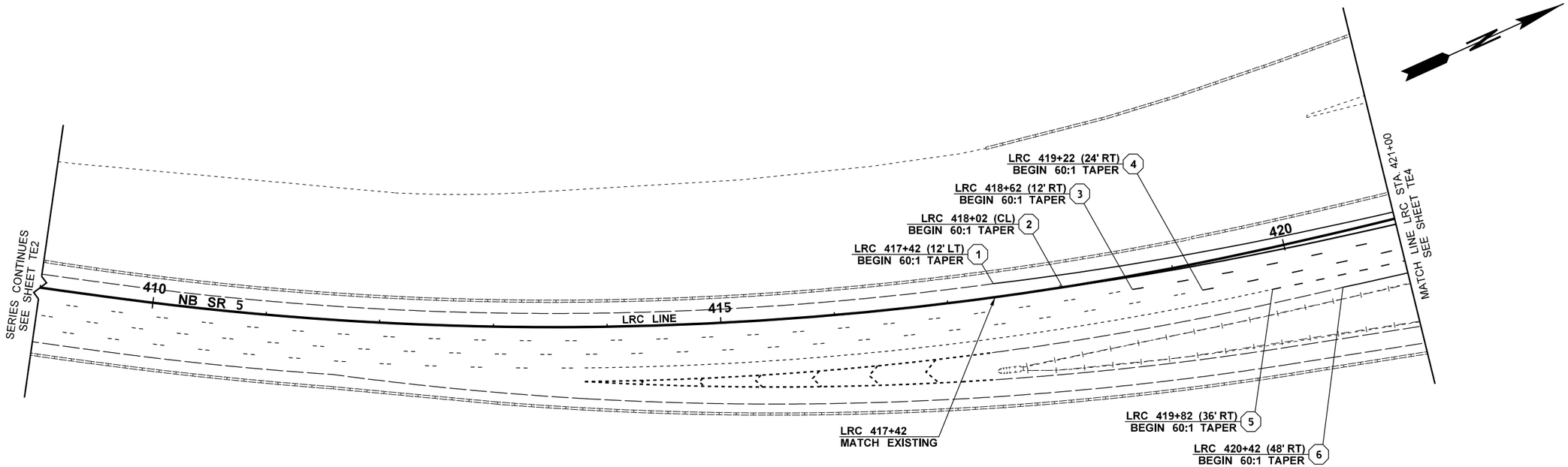
Plot 6

PLAN REF NO TE2

SHEET 135 OF 240 SHEETS

NOTES

1. REMOVE AND REPLACE EXISTING PAVEMENT MARKINGS WITH TEMPORARY PAVEMENT MARKINGS PER THE CALLOUTS ON THIS SHEET. SEE TRAFFIC CONTROL PLANS FOR WORK IN THIS AREA.



0 50 100
SCALE IN FEET

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TPE.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	10:23:53 AM						
DATE	11/22/2021						
PLOTTED BY	haukapa				JOB NUMBER 21A012		
DESIGNED BY	B. KOSA						
ENTERED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

ADAM A. EMERSON — STATE OF WASHINGTON — 55567 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT2
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

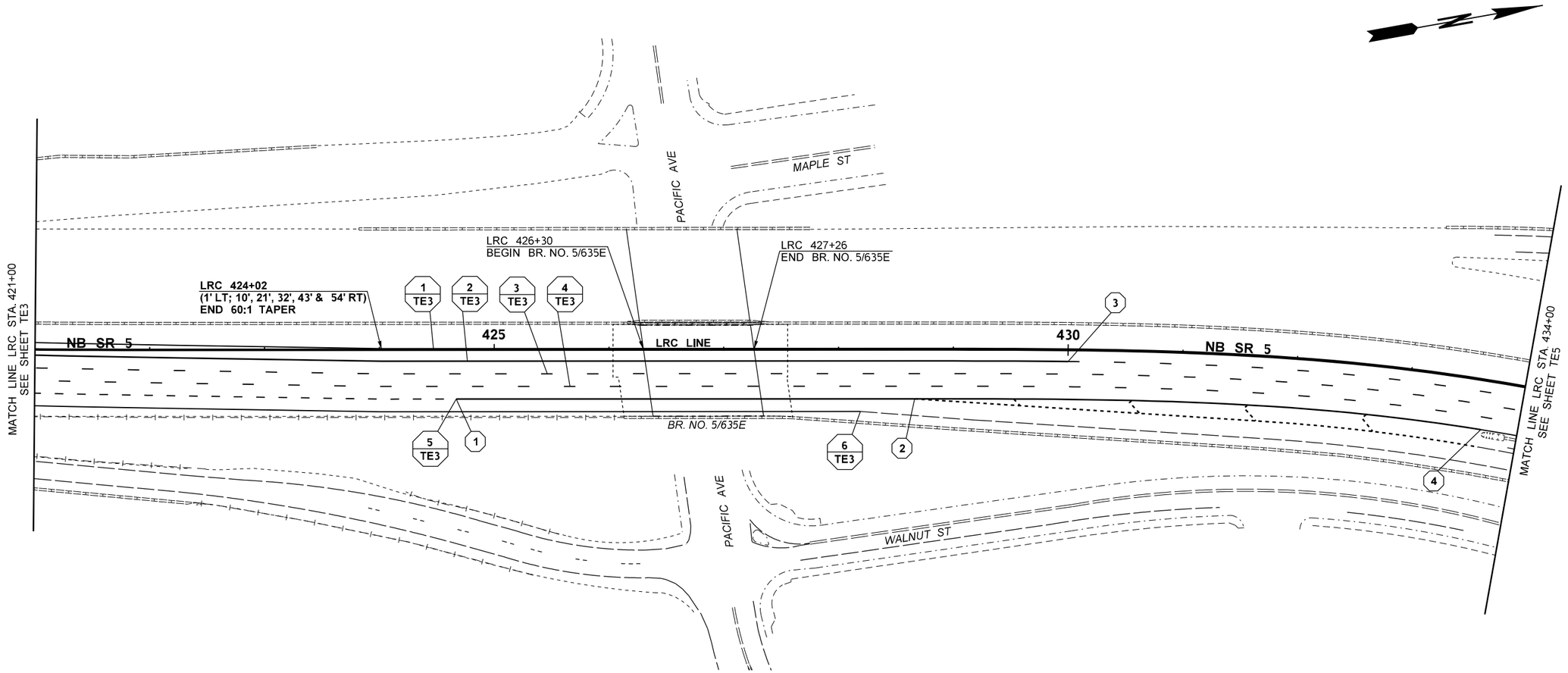
TEMP PAVEMENT MARKING - EAST

PLAN REF NO TE3

SHEET 136 OF 240 SHEETS

NOTES

1. **REMOVE AND REPLACE EXISTING PAVEMENT MARKINGS WITH TEMPORARY PAVEMENT MARKINGS PER THE CALLOUTS ON THIS SHEET. SEE TRAFFIC CONTROL PLANS FOR WORK IN THIS AREA.**



SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TPE.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	10:24:12 AM						
DATE	11/22/2021				JOB NUMBER 21A012		
PLOTTED BY	haukapa						
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

ADAM A. EMERSON — STATE OF WASHINGTON — 55567 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT2
DATE
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DATE
P.E. STAMP BOX

Washington State Department of Transportation

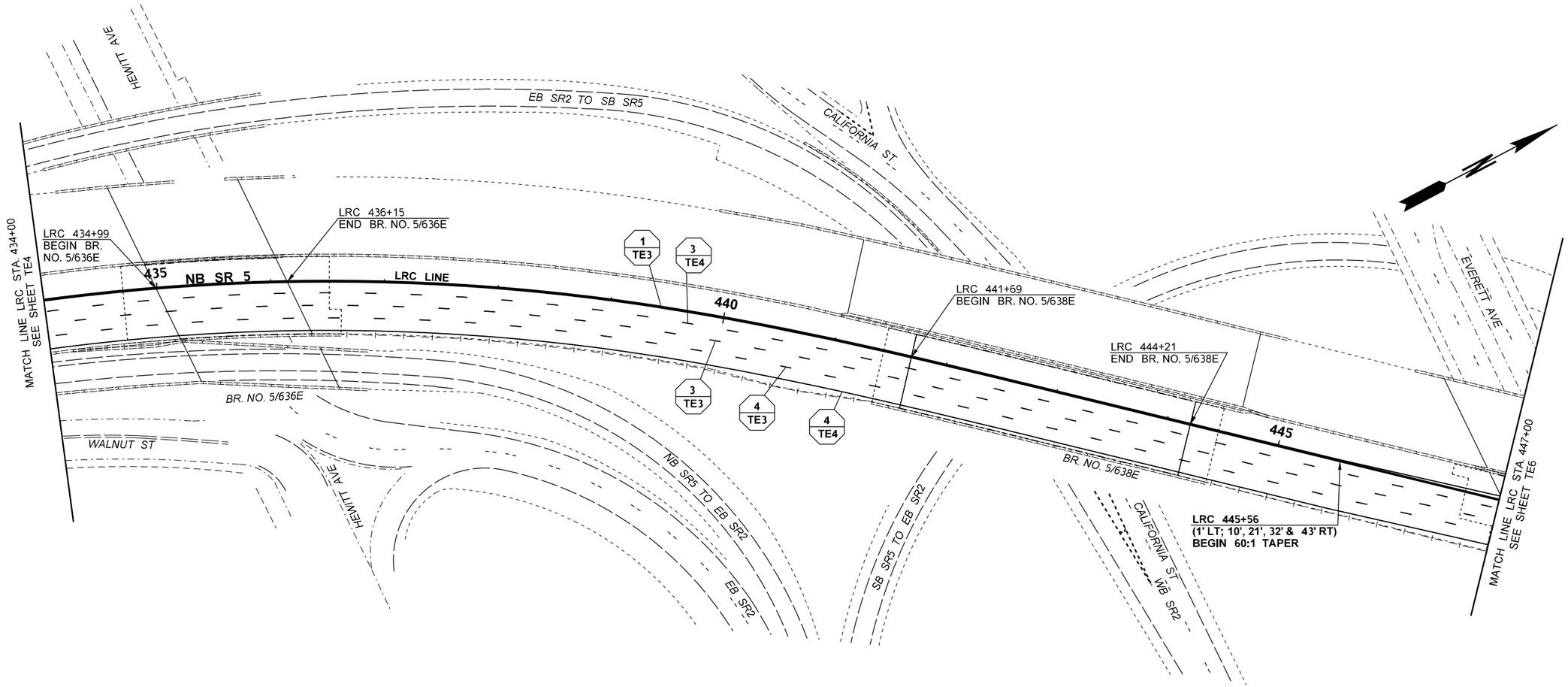
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TEMP PAVEMENT MARKING - EAST

Plot 9
PLAN REF NO **TE4**
SHEET **137** OF **240** SHEETS

NOTES

1. **REMOVE AND REPLACE EXISTING PAVEMENT MARKINGS WITH TEMPORARY PAVEMENT MARKINGS PER THE CALLOUTS ON THIS SHEET. SEE TRAFFIC CONTROL PLANS FOR WORK IN THIS AREA.**



SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TPE.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	10:24:32 AM				10	WASH	
DATE	11/22/2021						
PLOTTED BY	haukapa				JOB NUMBER		
DESIGNED BY	B. KOSA				21A012		
ENTERED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

ADAM A. EMERSON — STATE OF WASHINGTON — 55567 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT2 — DATE — P.E. STAMP BOX

DATE — P.E. STAMP BOX

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TEMP PAVEMENT MARKING - EAST

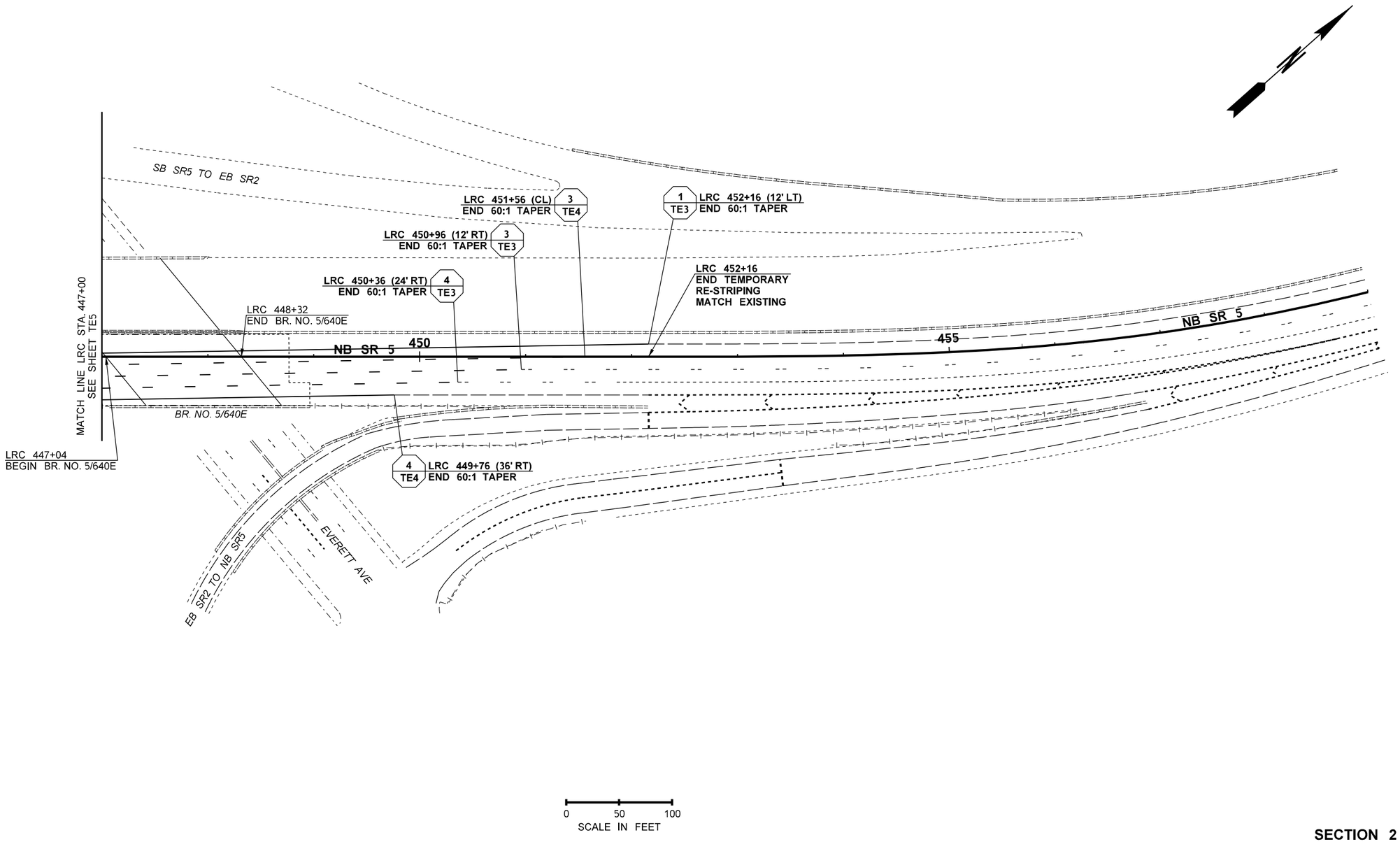
Plot 10

PLAN REF NO **TE5**

SHEET **138** OF **240** SHEETS

NOTES

1. **REMOVE AND REPLACE EXISTING PAVEMENT MARKINGS WITH TEMPORARY PAVEMENT MARKINGS PER THE CALLOUTS ON THIS SHEET. SEE TRAFFIC CONTROL PLANS FOR WORK IN THIS AREA.**



SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TPE.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	10:24:55 AM				10	WASH	
DATE	11/22/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

ADAM A. EMERSON — STATE OF WASHINGTON — 55567 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT2
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TEMP PAVEMENT MARKING - EAST

Plot 11
PLAN REF NO **TE6**
SHEET **139** OF **240** SHEETS

BUFFER DATA

LONGITUDINAL BUFFER SPACE = B

SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R

HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R

NO SPECIFIED DISTANCE REQUIRED

MINIMUM TAPER LENGTH = L (feet)

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

SIGN SPACING = X

FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)

SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240

USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.

CHANNELIZATION DEVICE SPACING (feet)

MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

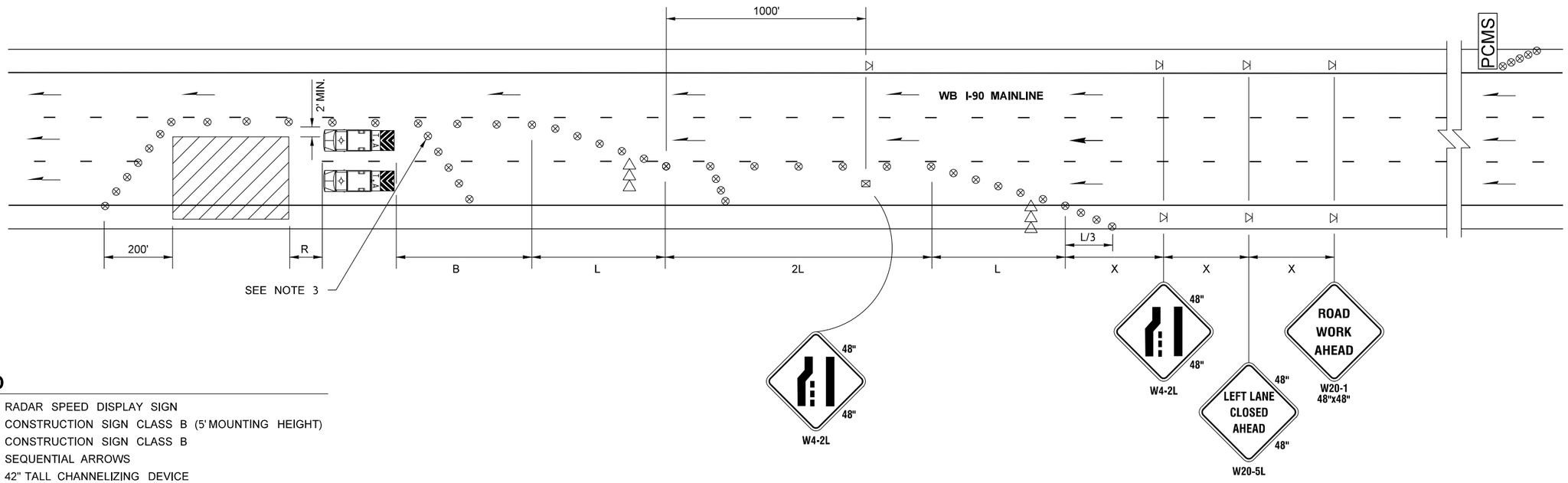
PCMS MESSAGE

PHASE 1	PHASE 2
LEFT 2 LANES CLOSED	MERGE RIGHT
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE

NOTES:

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.
9. LANE CLOSURES SHALL BE COMPLETED PRIOR TO A CURVE.



LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

TYPICAL LEFT TWO-LANE CLOSURE

NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41a_TC_1.dgn				REGION NO.	STATE	FED.AID PROJ.NO.	
TIME	6:33:54 AM				10	WASH		
DATE	11/29/2021				JOB NUMBER			
PLOTTED BY	leec				21A012			
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.	
ENTERED BY	K. POON							
CHECKED BY	C. ANDERSON							
PROJ. ENGR.	C. WINNINGHAM							
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY				

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 21
PLAN REF NO TC1
SHEET 140 OF 240 SHEETS

BUFFER DATA

LONGITUDINAL BUFFER SPACE = B

SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R

HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R

NO SPECIFIED DISTANCE REQUIRED

MINIMUM TAPER LENGTH = L (feet)

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

SIGN SPACING = X

FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)

SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240

USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.

CHANNELIZATION DEVICE SPACING (feet)

MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

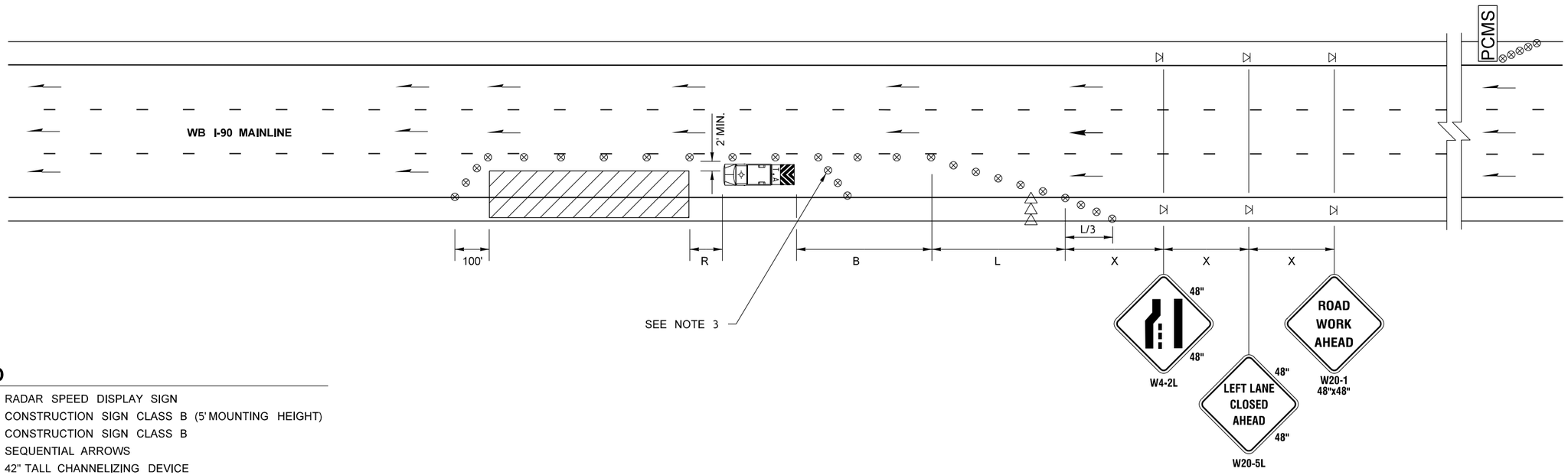
PCMS MESSAGE

PHASE 1	PHASE 2
LEFT LANE CLOSED	MERGE RIGHT
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE

NOTES:

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.
9. LANE CLOSURES SHALL BE COMPLETED PRIOR TO A CURVE.



LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

TYPICAL SINGLE LEFT LANE CLOSURE

NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41a_TC_1.dgn				REGION NO.	STATE	FED.AID PROJ.NO.	
TIME	6:33:57 AM				10	WASH		
DATE	11/29/2021				JOB NUMBER			
PLOTTED BY	leec				21A012			
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.	
ENTERED BY	K. POON							
CHECKED BY	C. ANDERSON							
PROJ. ENGR.	C. WINNINGHAM							
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY				

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 22
PLAN REF NO TC2
SHEET 141 OF 240 SHEETS

BUFFER DATA

LONGITUDINAL BUFFER SPACE = B

SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R

HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R

NO SPECIFIED DISTANCE REQUIRED

MINIMUM TAPER LENGTH = L (feet)

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

SIGN SPACING = X

FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)

SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240

USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.

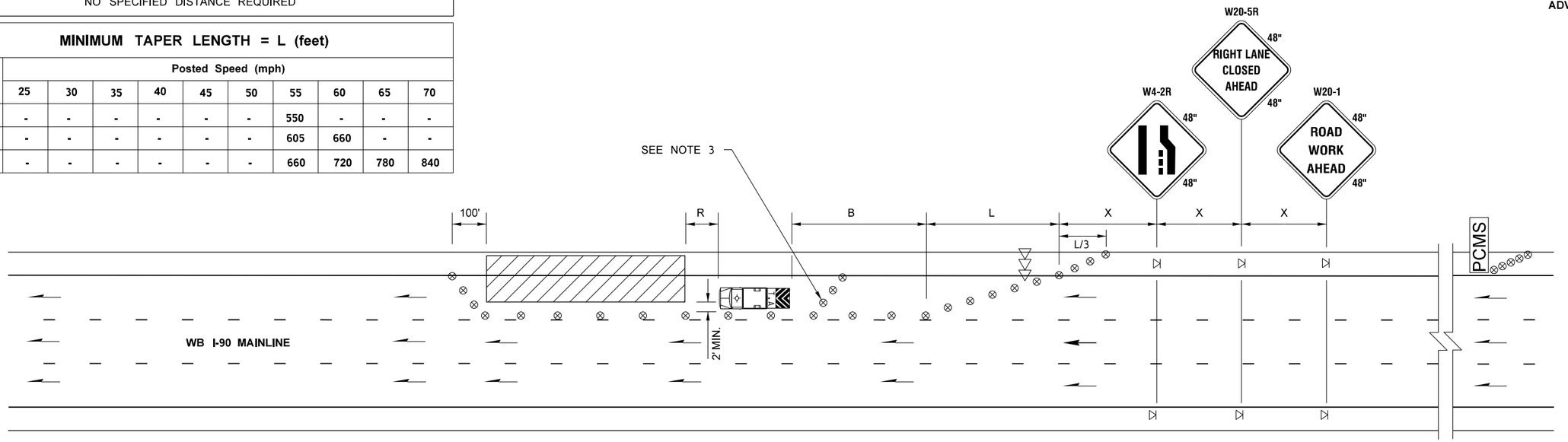
CHANNELIZATION DEVICE SPACING (feet)

MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

PCMS MESSAGE

PHASE 1	PHASE 2
RIGHT LANE CLOSED	MERGE LEFT
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE



LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

NOTES:

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.
9. LANE CLOSURES SHALL BE COMPLETED PRIOR TO A CURVE.

TYPICAL SINGLE RIGHT LANE CLOSURE

NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41a_TC_1.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:34:01 AM				10	WASH	
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 23
PLAN REF NO TC3
SHEET 142 OF 240 SHEETS

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

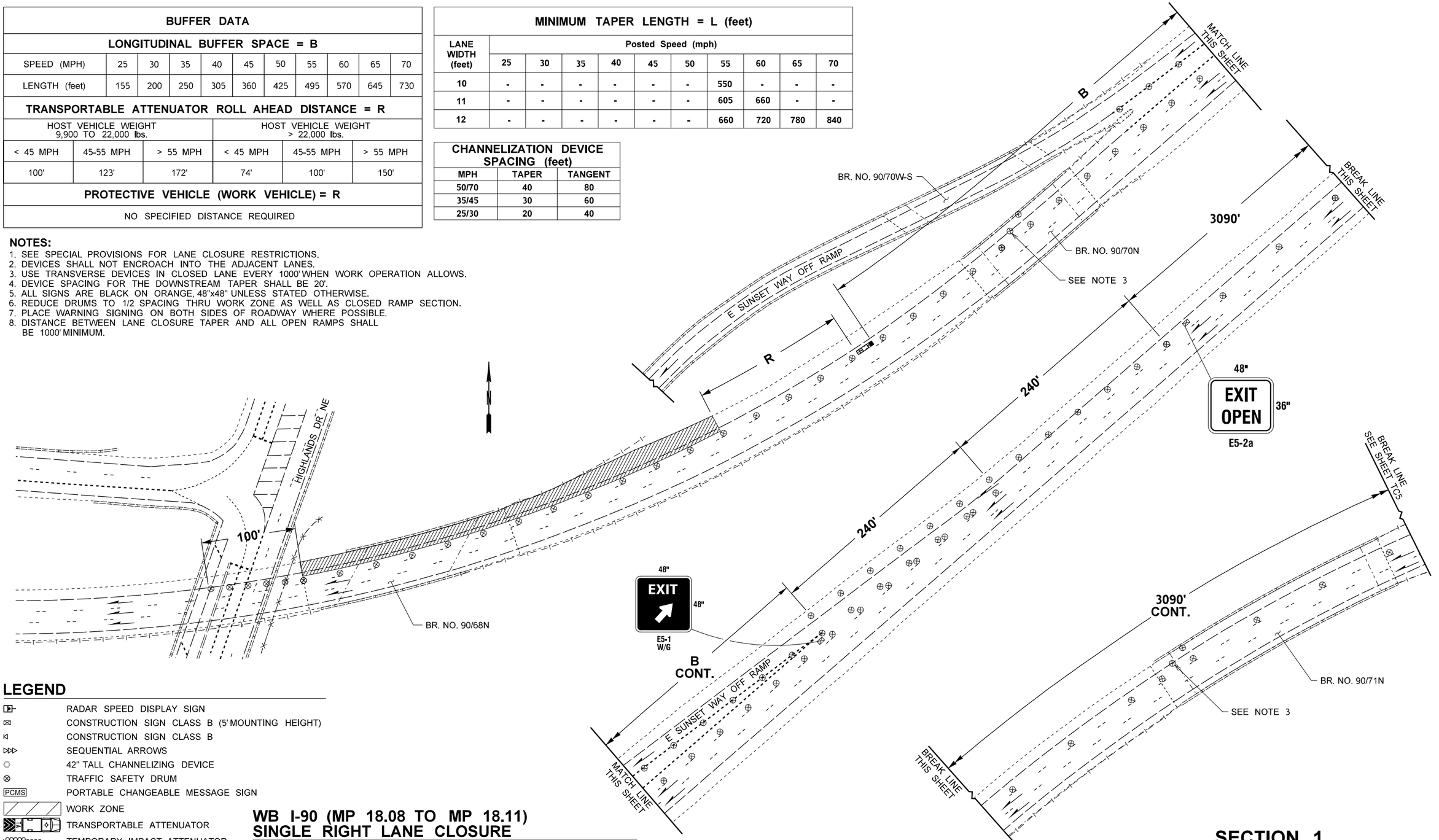
PROTECTIVE VEHICLE (WORK VEHICLE) = R
NO SPECIFIED DISTANCE REQUIRED

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

NOTES:

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.



LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

WB I-90 (MP 18.08 TO MP 18.11) SINGLE RIGHT LANE CLOSURE

(1 OF 2) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41a_TC_1.dgn				REGION NO.	STATE	FED.AID PROJ.NO.	
TIME	6:34:04 AM				10	WASH		
DATE	11/29/2021				JOB NUMBER			
PLOTTED BY	leec				21A012			
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.	
ENTERED BY	K. POON							
CHECKED BY	C. ANDERSON							
PROJ. ENGR.	C. WINNINGHAM							
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY				

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 1

PLAN REF NO
TC4

SHEET 143 OF 240 SHEETS

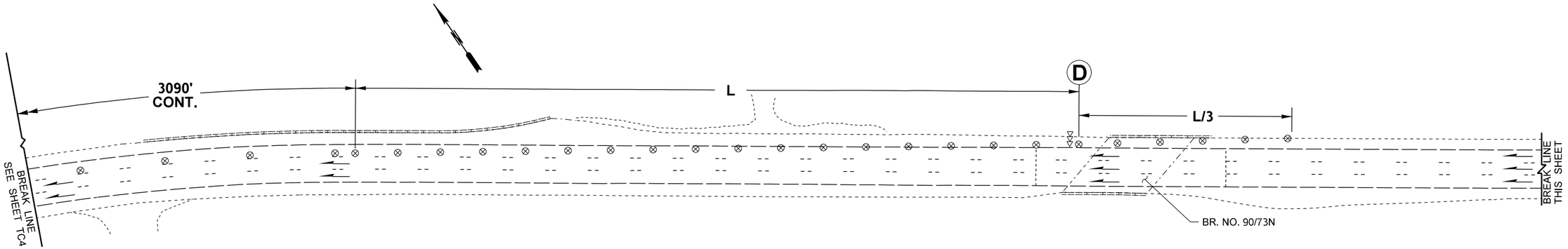
SIGN SPACING = X		
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

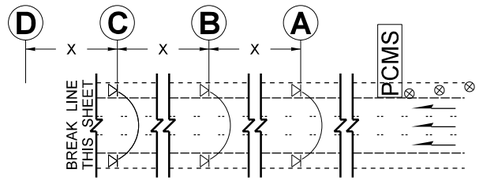
MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										



NOTES:
1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.



PCMS MESSAGE	
PHASE 1	PHASE 2
RIGHT LANE CLOSED	EXIT RAMP OPEN
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE

LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

WB I-90 (MP 18.08 TO MP 18.11)
SINGLE RIGHT LANE CLOSURE

(2 OF 2) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41a_TC_1.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:34:07 AM				10	WASH	
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 2
PLAN REF NO TC5
SHEET 144 OF 240 SHEETS

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

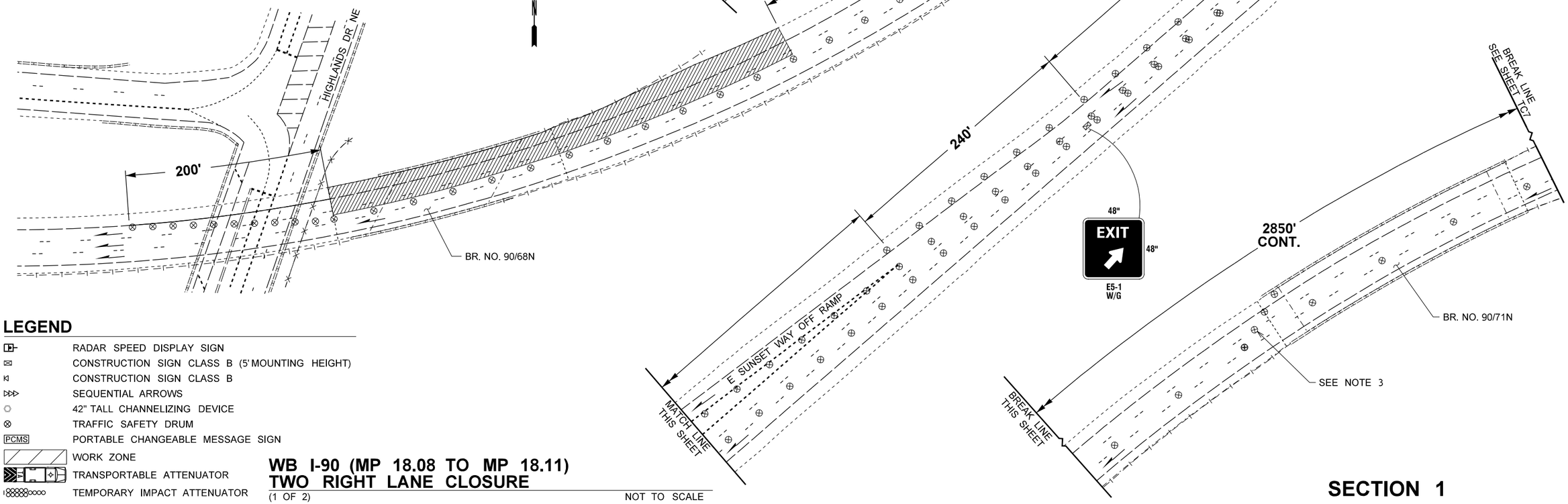
PROTECTIVE VEHICLE (WORK VEHICLE) = R
NO SPECIFIED DISTANCE REQUIRED

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

NOTES:

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.



LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

WB I-90 (MP 18.08 TO MP 18.11)
TWO RIGHT LANE CLOSURE

(1 OF 2) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41a_TC_1.dgn				REGION NO.	STATE	FED.AID PROJ.NO.	
TIME	6:34:10 AM				10	WASH		
DATE	11/29/2021				JOB NUMBER			
PLOTTED BY	leec				21A012			
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.	
ENTERED BY	K. POON							
CHECKED BY	C. ANDERSON							
PROJ. ENGR.	C. WINNINGHAM							
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY				

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 3

PLAN REF NO
TC6

SHEET 145 OF 240 SHEETS

SIGN SPACING = X		
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

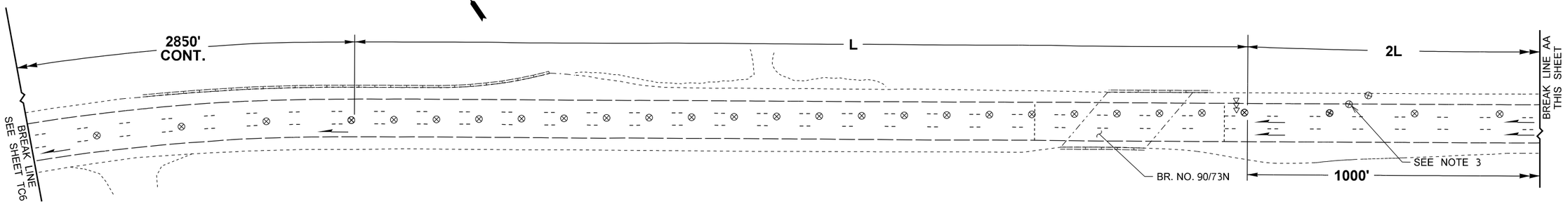
MINIMUM TAPER LENGTH = L (feet)

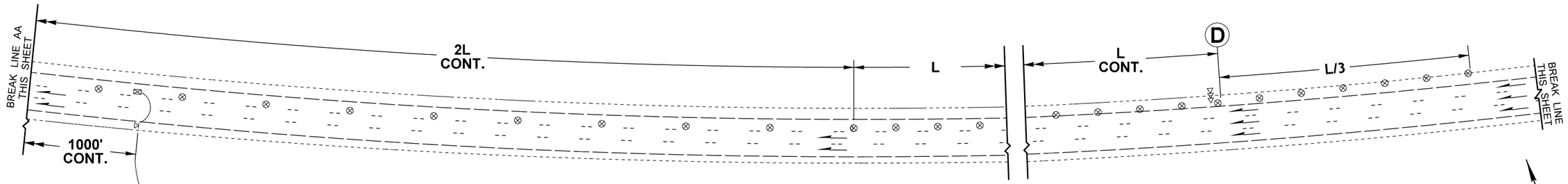
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

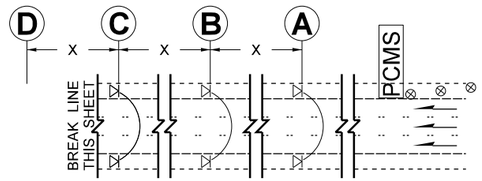
MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)

SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										





C B A



PCMS MESSAGE	
PHASE 1	PHASE 2
RIGHT TWO LANES CLOSED	EXIT RAMP OPEN
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE

LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

NOTES:
1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

WB I-90 (MP 18.08 TO MP 18.11) TWO RIGHT LANE CLOSURE

(2 OF 2) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41a_TC_1.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	6:34:13 AM						
DATE	11/29/2021				JOB NUMBER 21A012		
PLOTTED BY	leec						
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 4

PLAN REF NO TC7

SHEET 146 OF 240 SHEETS

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

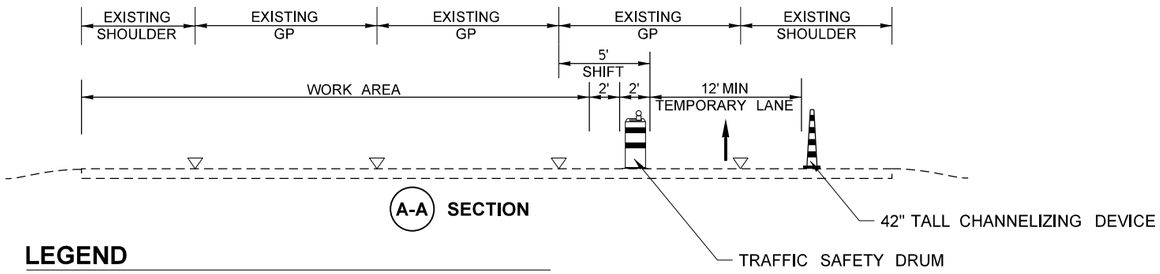
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R
NO SPECIFIED DISTANCE REQUIRED

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

NOTES:
1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.



LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

WB I-90 (MP 18.08 TO MP 18.11)
TWO LEFT LANE CLOSURE WITH LANE SHIFT

(1 OF 2) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41a_TC_1.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:34:16 AM				10	WASH	
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 6

PLAN REF NO
TC8

SHEET 147 OF 240 SHEETS

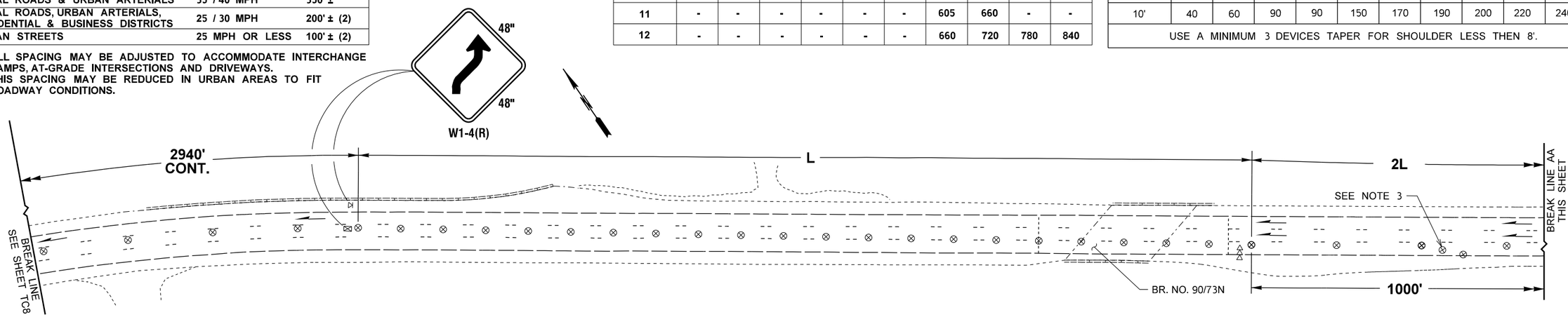
SIGN SPACING = X		
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										



PCMS MESSAGE	
PHASE 1	PHASE 2
LEFT 2 LANES CLOSED	REDUCED SPEED AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE

LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

NOTES:
1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

WB I-90 (MP 18.08 TO MP 18.11)
TWO LEFT LANE CLOSURE WITH LANE SHIFT

(2 OF 2) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41a_TC_1.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:34:19 AM				10	WASH	
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 7

PLAN REF NO TC9

SHEET 148 OF 240 SHEETS

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

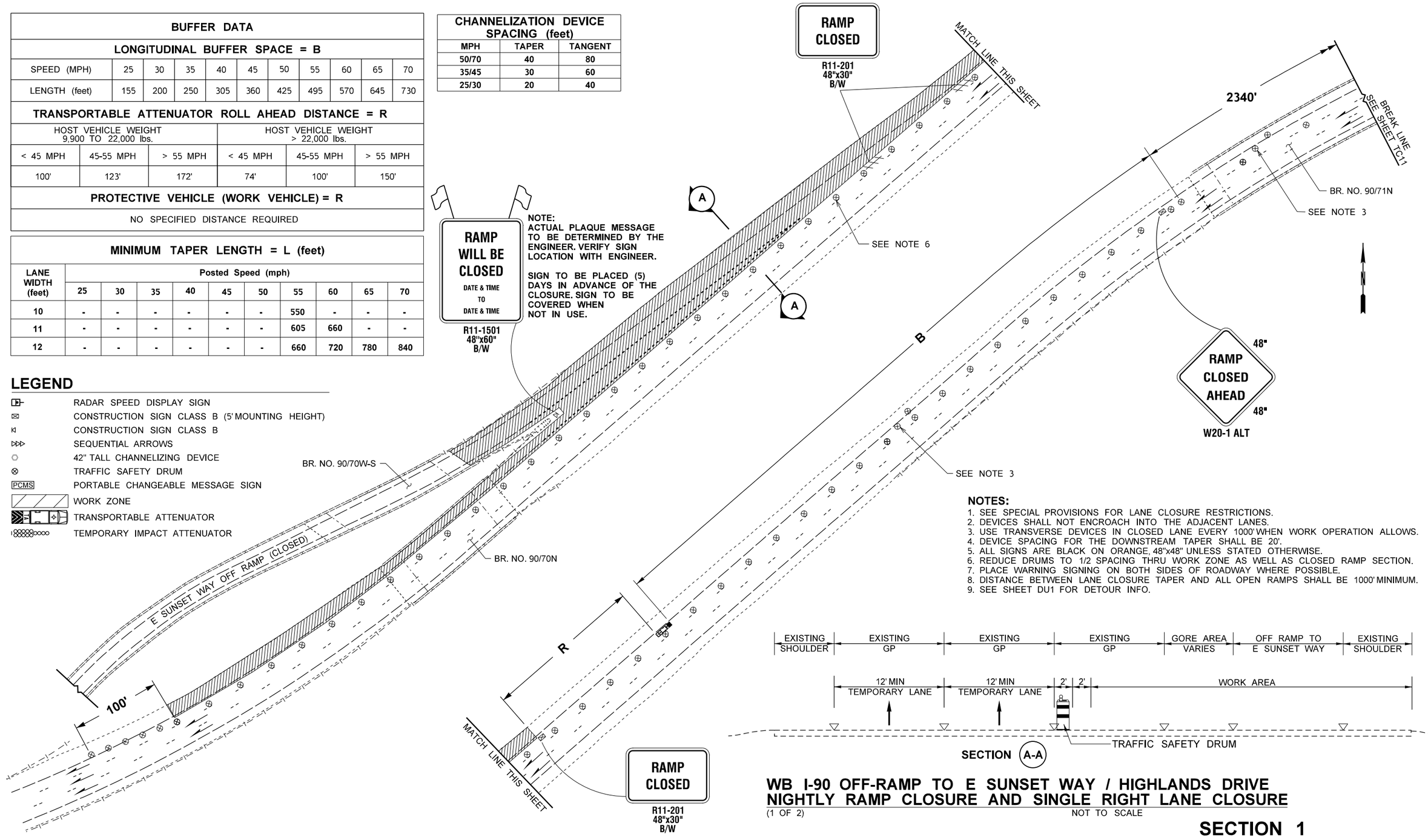
PROTECTIVE VEHICLE (WORK VEHICLE) = R
NO SPECIFIED DISTANCE REQUIRED

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR



NOTES:

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.
9. SEE SHEET DU1 FOR DETOUR INFO.

SECTION (A-A)

WB I-90 OFF-RAMP TO E SUNSET WAY / HIGHLANDS DRIVE NIGHTLY RAMP CLOSURE AND SINGLE RIGHT LANE CLOSURE

(1 OF 2) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41a_TC_1.dgn				REGION NO.	STATE	FED.AID PROJ.NO.	Plot 11
TIME	6:34:22 AM				10	WASH		PLAN REF NO TC10
DATE	11/29/2021				JOB NUMBER 21A012			
PLOTTED BY	leec				CONTRACT NO.		LOCATION NO.	SHEET 149 OF 240 SHEETS
DESIGNED BY	K. POON							
ENTERED BY	K. POON							
CHECKED BY	C. ANDERSON							
PROJ. ENGR.	C. WINNINGHAM							
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY				

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

SIGN SPACING = X		
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

MINIMUM TAPER LENGTH = L (feet)

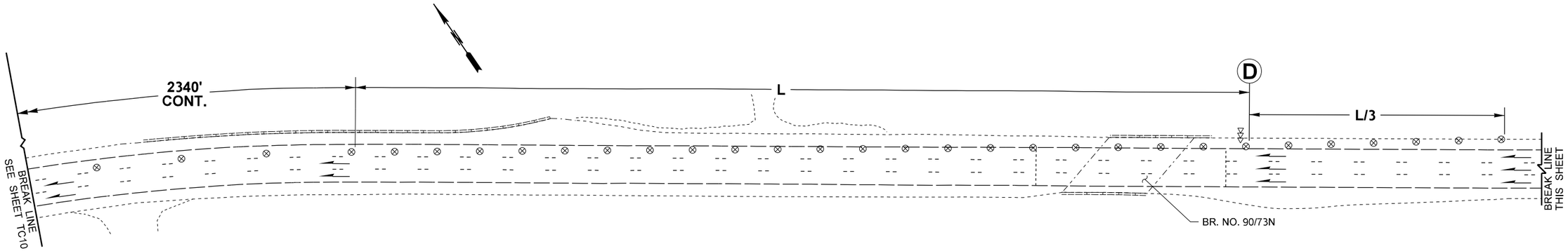
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

CHANNELIZATION DEVICE SPACING (feet)

MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)

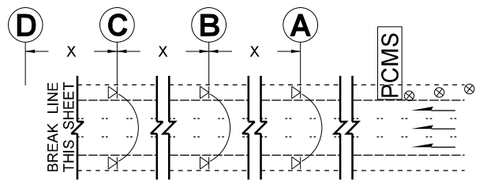
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										



NOTES:
1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.
9. SEE SHEET DU1 FOR DETOUR INFO.

LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR



PCMS MESSAGE	
PHASE 1	PHASE 2
E SUNSET WAY EXIT CLOSED	FOLLOW DETOUR
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE

WB I-90 OFF-RAMP TO E SUNSET WAY / HIGHLANDS DRIVE NIGHTLY RAMP CLOSURE AND SINGLE RIGHT LANE CLOSURE

(2 OF 2) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41a_TC_1.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:34:25 AM				10	WASH	
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 12
PLAN REF NO TC11
SHEET 150 OF 240 SHEETS

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

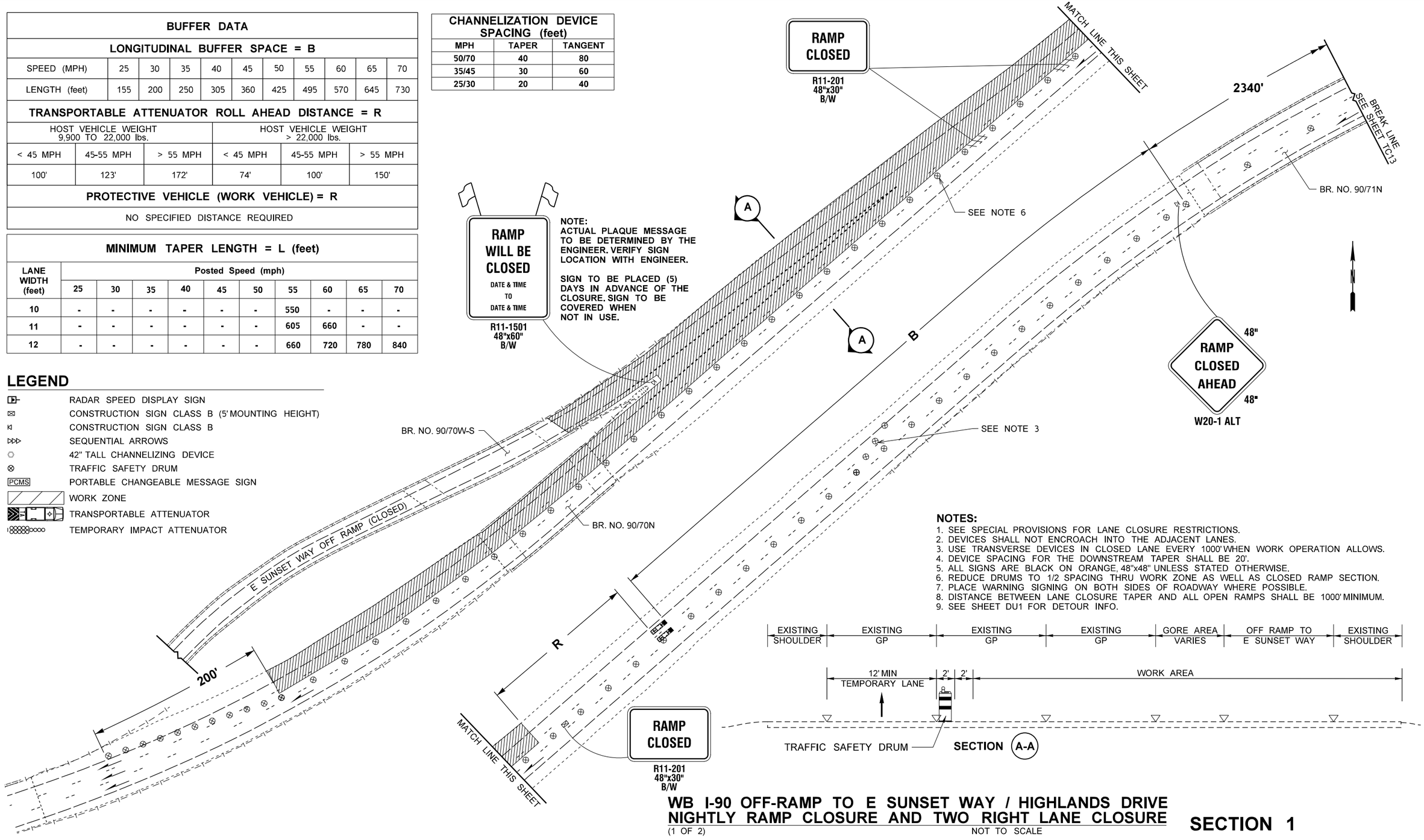
PROTECTIVE VEHICLE (WORK VEHICLE) = R
NO SPECIFIED DISTANCE REQUIRED

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR



NOTES:

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.
9. SEE SHEET DU1 FOR DETOUR INFO.

WB I-90 OFF-RAMP TO E SUNSET WAY / HIGHLANDS DRIVE NIGHTLY RAMP CLOSURE AND TWO RIGHT LANE CLOSURE

(1 OF 2) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41a_TC_1.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:34:28 AM				10	WASH	
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 13
PLAN REF NO TC12
SHEET 151 OF 240 SHEETS

SIGN SPACING = X		
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

MINIMUM TAPER LENGTH = L (feet)

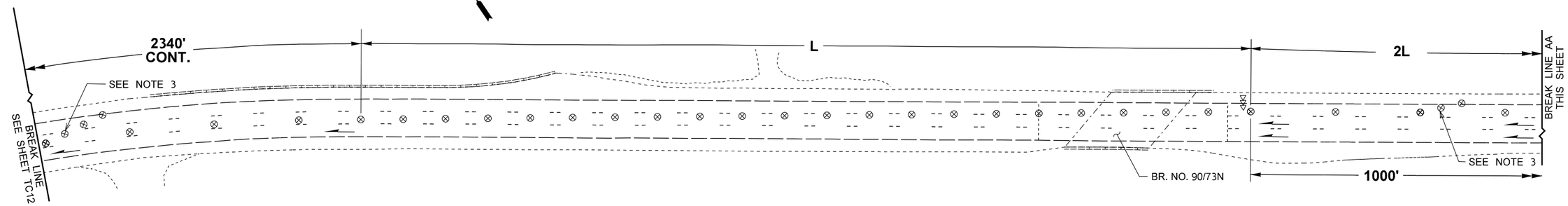
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

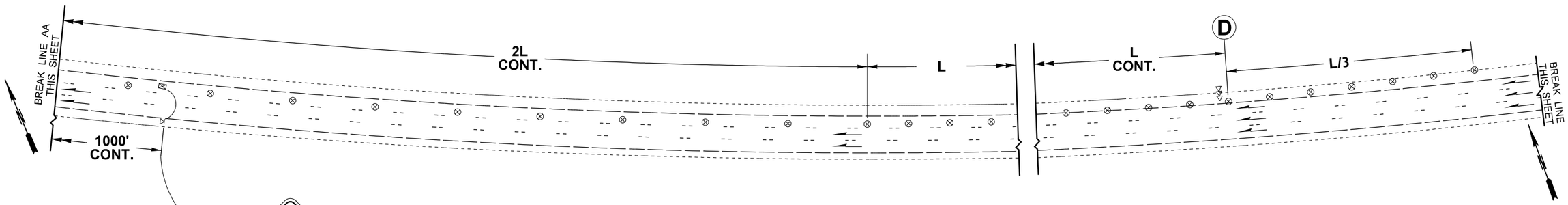
CHANNELIZATION DEVICE SPACING (feet)

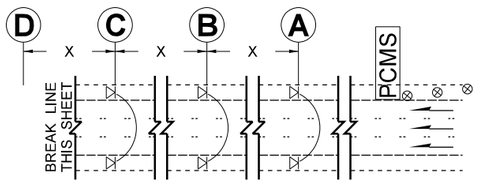
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)

SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										







PCMS MESSAGE	
PHASE 1	PHASE 2
E SUNSET WAY EXIT CLOSED	FOLLOW DETOUR
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE

LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

NOTES:
1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.
9. SEE SHEET DU1 FOR DETOUR INFO.

WB I-90 OFF-RAMP TO E SUNSET WAY / HIGHLANDS DRIVE NIGHTLY RAMP CLOSURE AND TWO RIGHT LANE CLOSURE

(2 OF 2) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41a_TC_1.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:34:32 AM				10	WASH	
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 14

PLAN REF NO TC13

SHEET 152 OF 240 SHEETS

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R
NO SPECIFIED DISTANCE REQUIRED

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

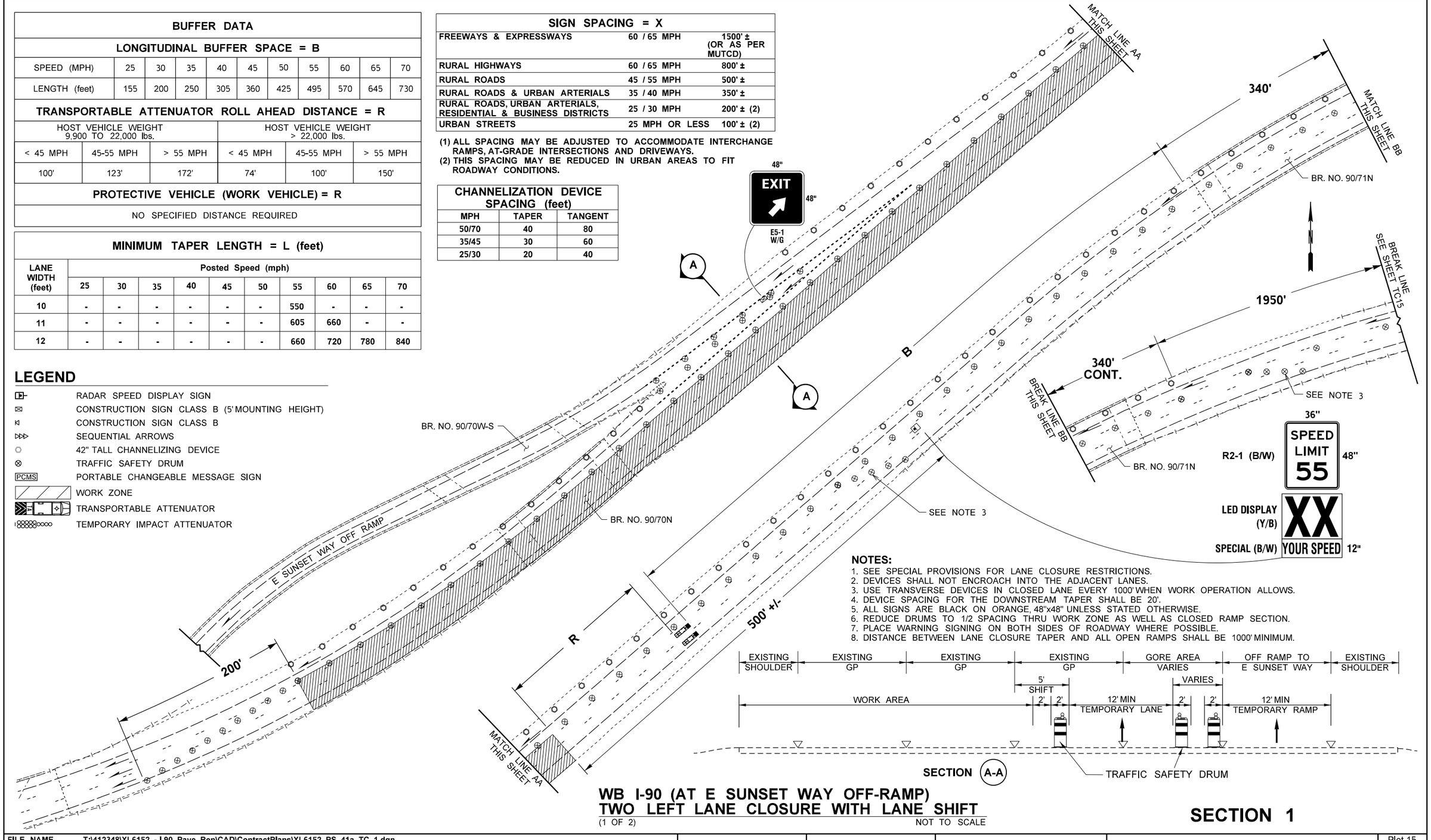
LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

SIGN SPACING = X		
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40



NOTES:

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

SECTION (A-A)

WB I-90 (AT E SUNSET WAY OFF-RAMP)
TWO LEFT LANE CLOSURE WITH LANE SHIFT

(1 OF 2) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41a_TC_1.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:34:35 AM				10	WASH	
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 15
PLAN REF NO TC14
SHEET 153 OF 240 SHEETS

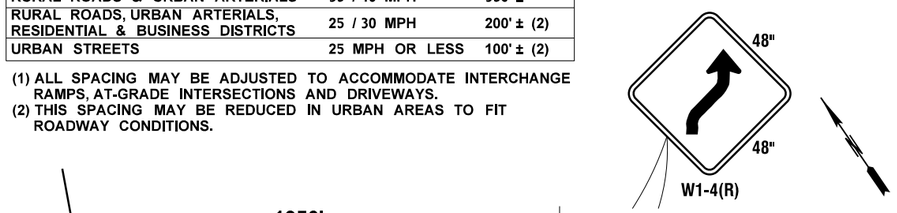
SIGN SPACING = X		
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

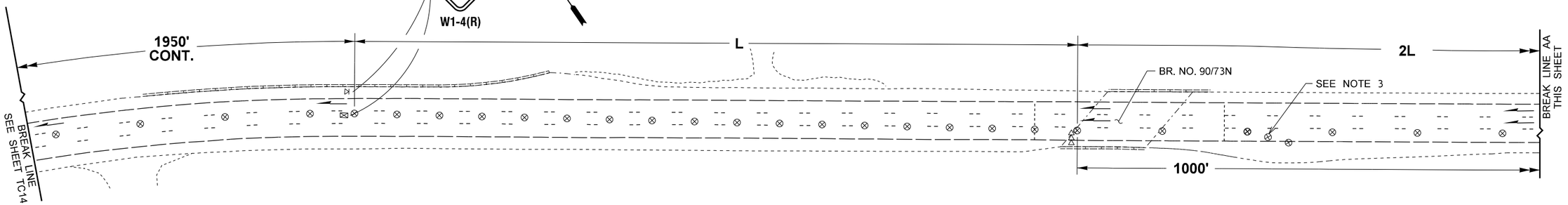
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

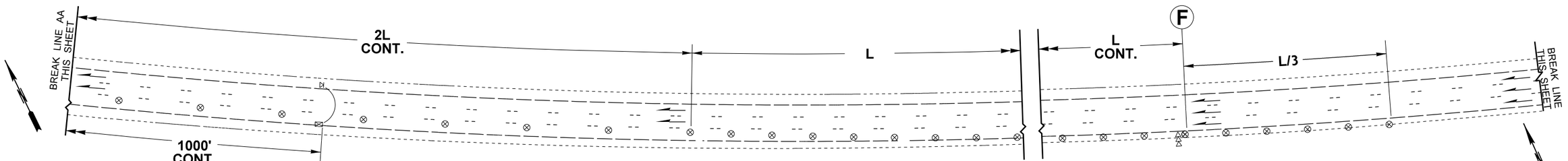
CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

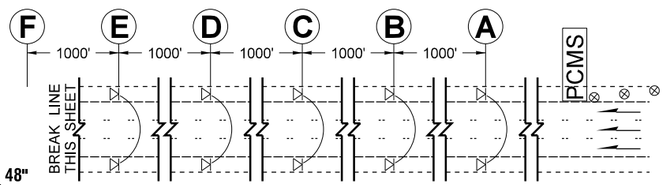
MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										









PCMS MESSAGE #1	
PHASE 1	PHASE 2
LEFT 2 LANES CLOSED	REDUCED SPEED AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE

LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

W4-2R

E

R2-1 (B/W)

D

W20-501L

C

W3-5

B

W20-1

A

NOTES:
1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.
9. SEE SHEET DU1 FOR DETOUR INFO.

WB I-90 (AT E SUNSET WAY OFF-RAMP) TWO LEFT LANE CLOSURE WITH LANE SHIFT

(2 OF 2) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41a_TC_1.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:34:38 AM				10	WASH	
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 16

PLAN REF NO
TC15

SHEET 154 OF 240 SHEETS

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

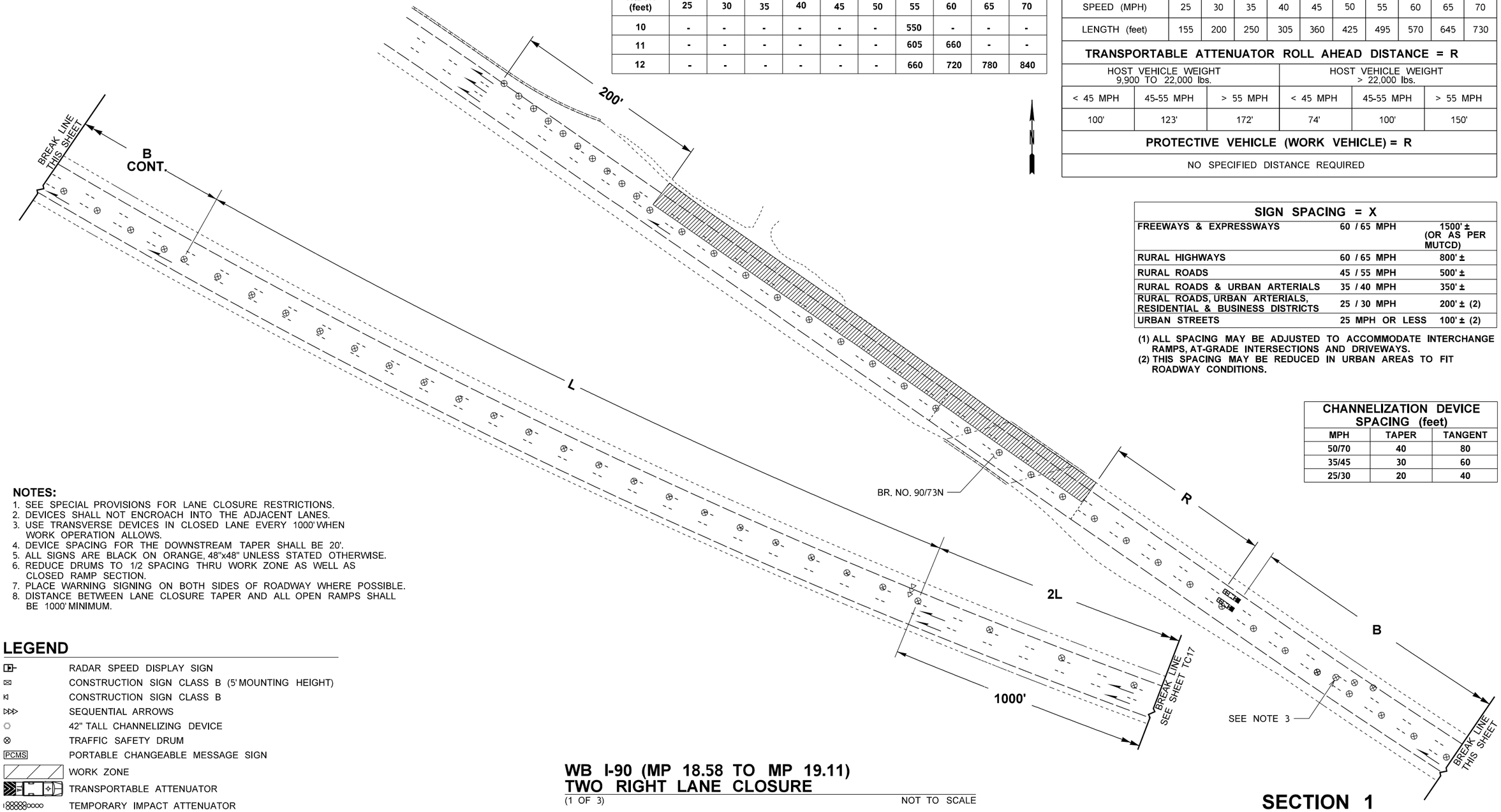
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R
NO SPECIFIED DISTANCE REQUIRED

SIGN SPACING = X		
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40



NOTES:

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

WB I-90 (MP 18.58 TO MP 19.11)
TWO RIGHT LANE CLOSURE

(1 OF 3) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41b_TC_2.dgn						
TIME	6:34:46 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	11/29/2021						
PLOTTED BY	leec				JOB NUMBER 21A012		
DESIGNED BY	K. POON				CONTRACT NO.	LOCATION NO.	
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

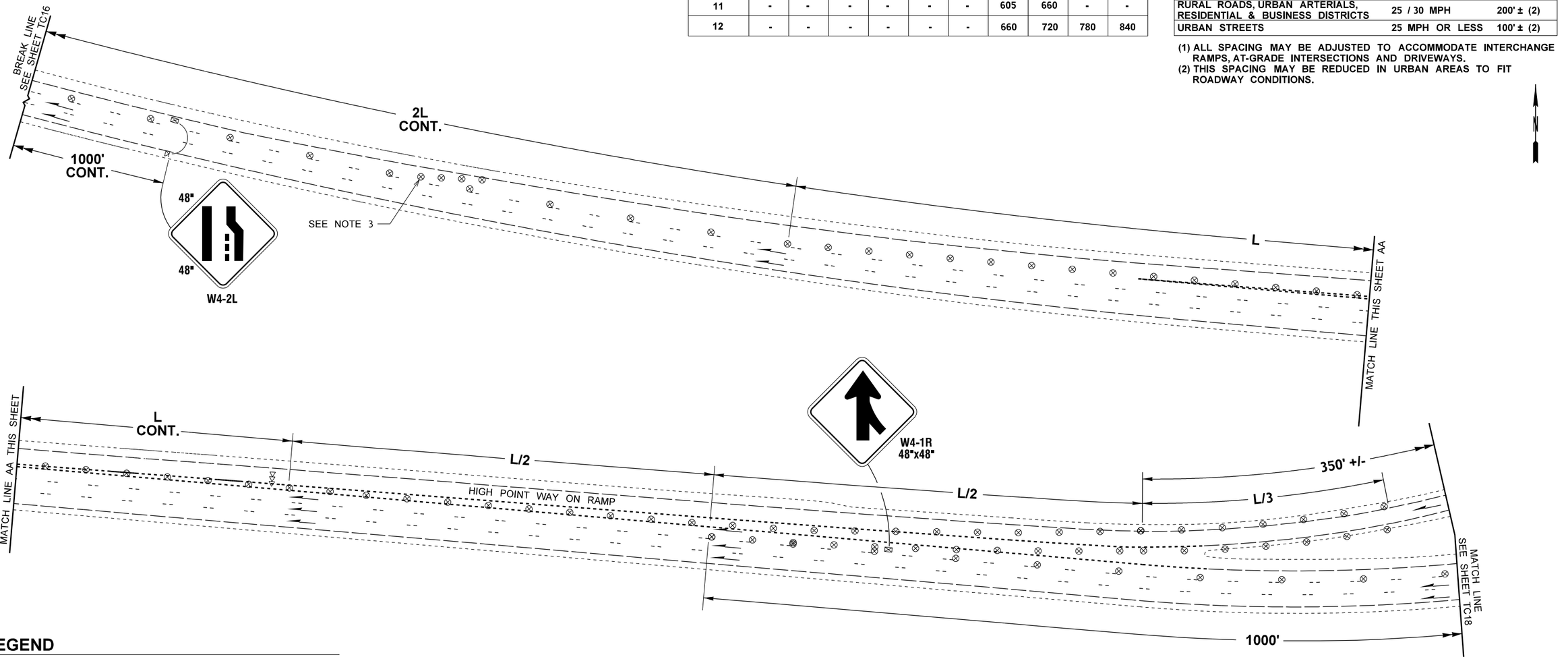
Plot 1
PLAN REF NO TC16
SHEET 155 OF 240 SHEETS

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

SIGN SPACING = X		
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

NOTES:

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

WB I-90 (MP 18.58 TO MP 19.11)
TWO RIGHT LANE CLOSURE

(2 OF 3) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41b_TC_2.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:34:53 AM				10	WASH	
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

DATE P.E. STAMP BOX

DATE P.E. STAMP BOX

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 2
PLAN REF NO TC17
SHEET 156 OF 240 SHEETS

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

SIGN SPACING = X		
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

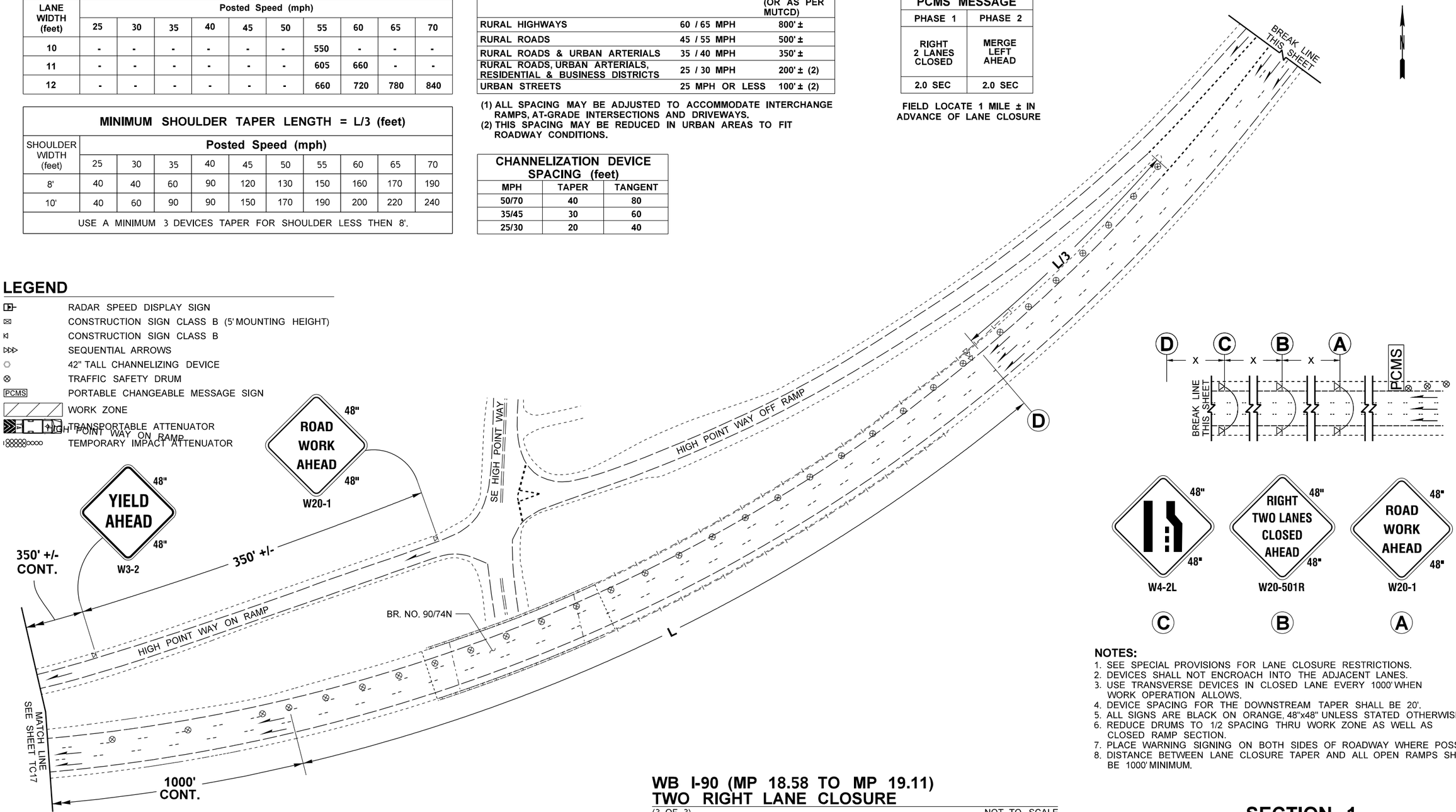
CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

PCMS MESSAGE	
PHASE 1	PHASE 2
RIGHT 2 LANES CLOSED	MERGE LEFT AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE

LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR



NOTES:
1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

WB I-90 (MP 18.58 TO MP 19.11)
TWO RIGHT LANE CLOSURE

(3 OF 3) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41b_TC_2.dgn				REGION NO.	STATE	FED.AID PROJ.NO.	Plot 3
TIME	6:34:59 AM				10	WASH		PLAN REF NO TC18
DATE	11/29/2021				JOB NUMBER 21A012			
PLOTTED BY	leec							SHEET 157 OF 240 SHEETS
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.	
ENTERED BY	K. POON							
CHECKED BY	C. ANDERSON							
PROJ. ENGR.	C. WINNINGHAM							
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY				

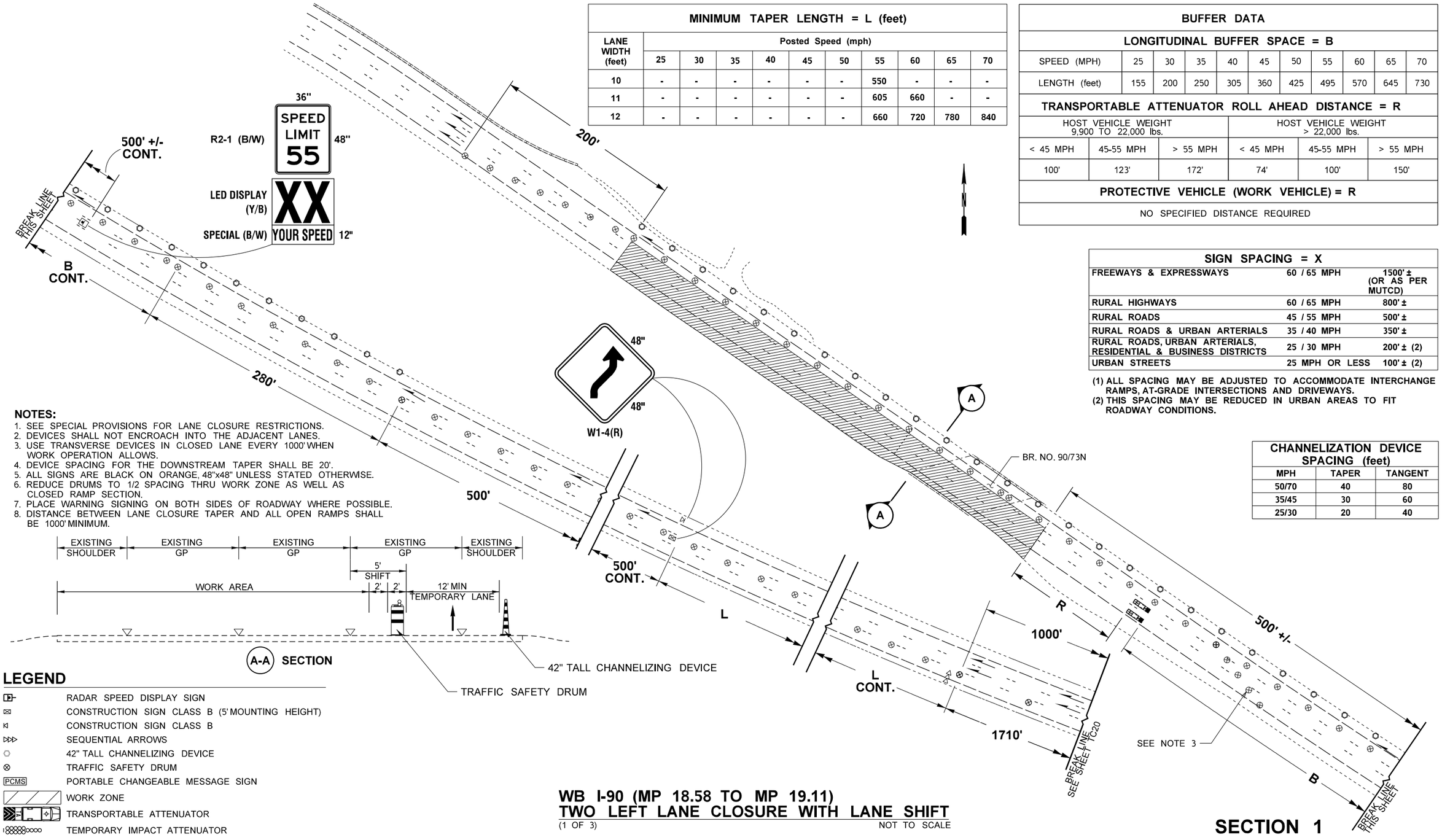
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN



NOTES:

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
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6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

MINIMUM TAPER LENGTH = L (feet)

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

BUFFER DATA

LONGITUDINAL BUFFER SPACE = B

SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R

HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R

NO SPECIFIED DISTANCE REQUIRED

SIGN SPACING = X

FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (feet)

MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

WB I-90 (MP 18.58 TO MP 19.11)
TWO LEFT LANE CLOSURE WITH LANE SHIFT

(1 OF 3) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41b_TC_2.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:35:05 AM				10	WASH	
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 4

PLAN REF NO TC19

SHEET 158 OF 240 SHEETS

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

SIGN SPACING = X		
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

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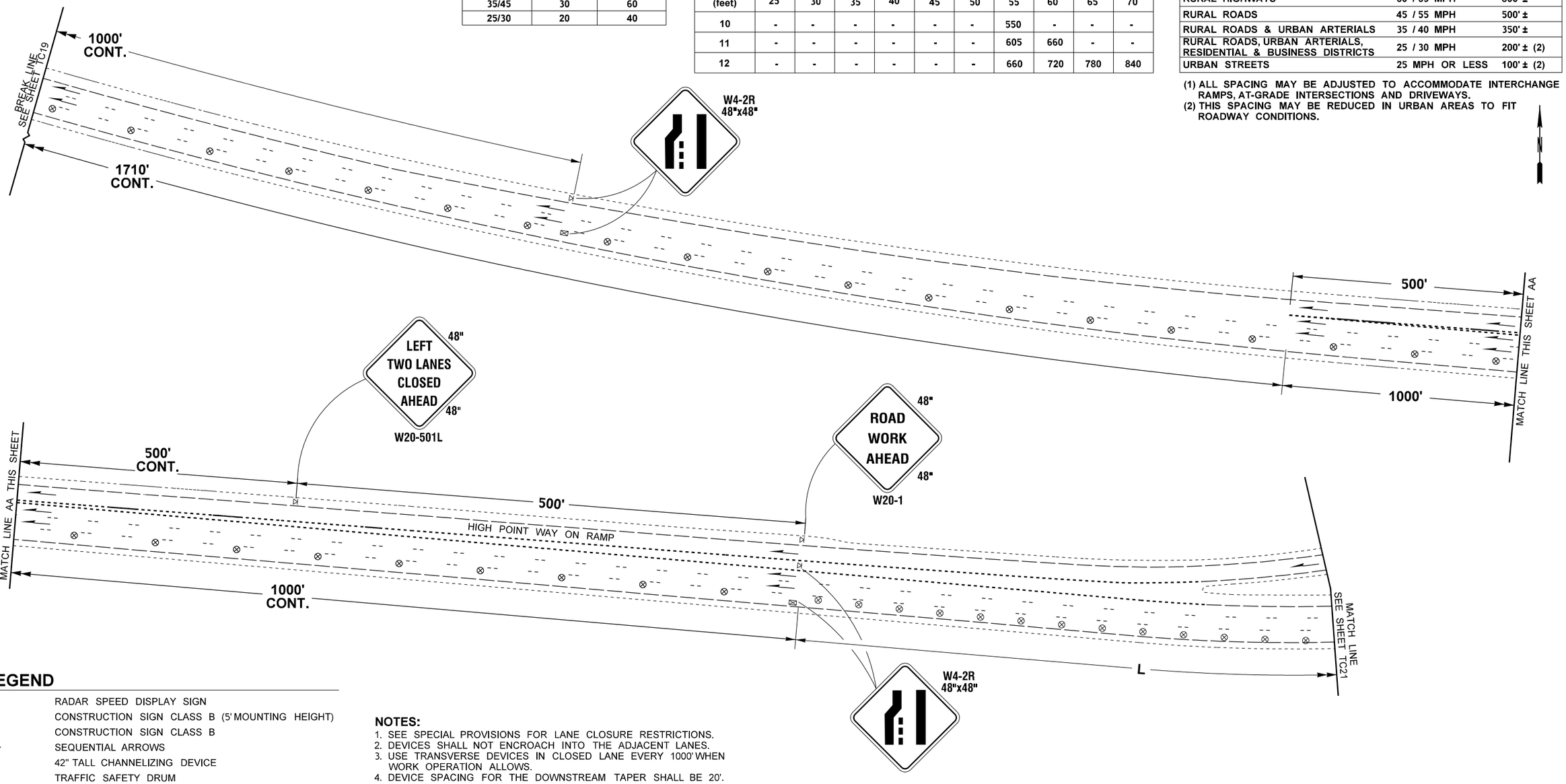
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

NOTES:

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

WB I-90 (MP 18.58 TO MP 19.11)
TWO LEFT LANE CLOSURE WITH LANE SHIFT

(2 OF 3) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41b_TC_2.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:35:10 AM				10	WASH	
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 5
PLAN REF NO TC20
SHEET 159 OF 240 SHEETS

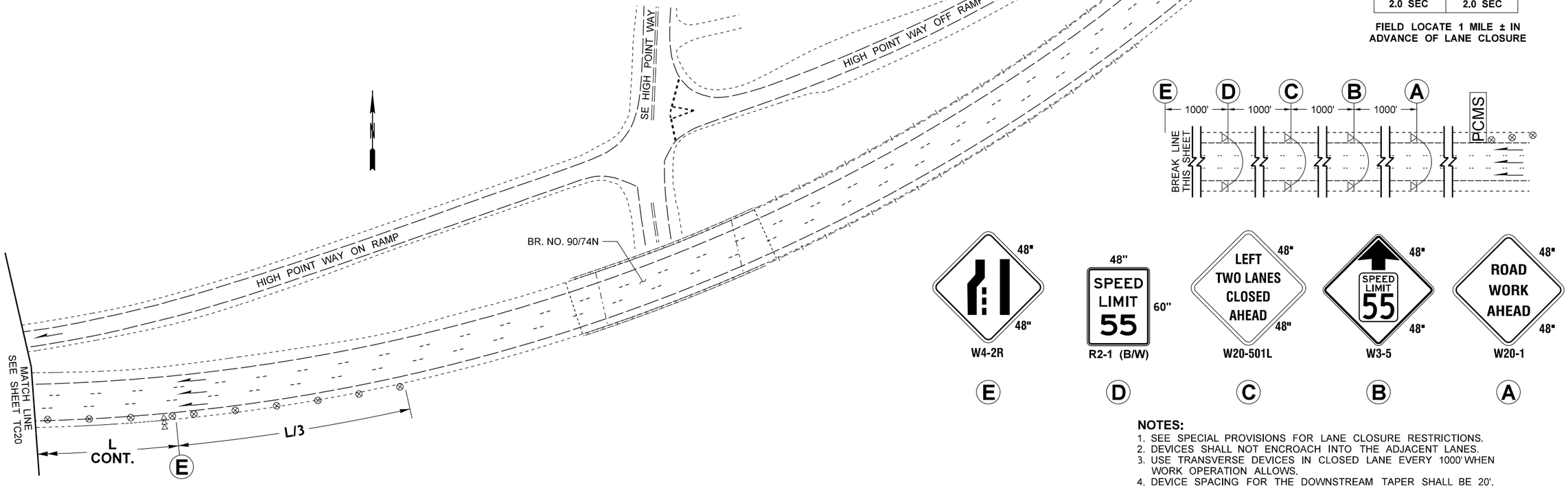
MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

SIGN SPACING = X		
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40



PCMS MESSAGE	
PHASE 1	PHASE 2
LEFT 2 LANES CLOSED	REDUCED SPEED AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE

NOTES:
1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

WB I-90 (MP 18.58 TO MP 19.11)
TWO LEFT LANE CLOSURE WITH LANE SHIFT

(3 OF 3) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41b_TC_2.dgn						
TIME	6:35:16 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	11/29/2021						
PLOTTED BY	leec				JOB NUMBER 21A012		
DESIGNED BY	K. POON				CONTRACT NO.	LOCATION NO.	
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 6
PLAN REF NO TC21
SHEET 160 OF 240 SHEETS

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

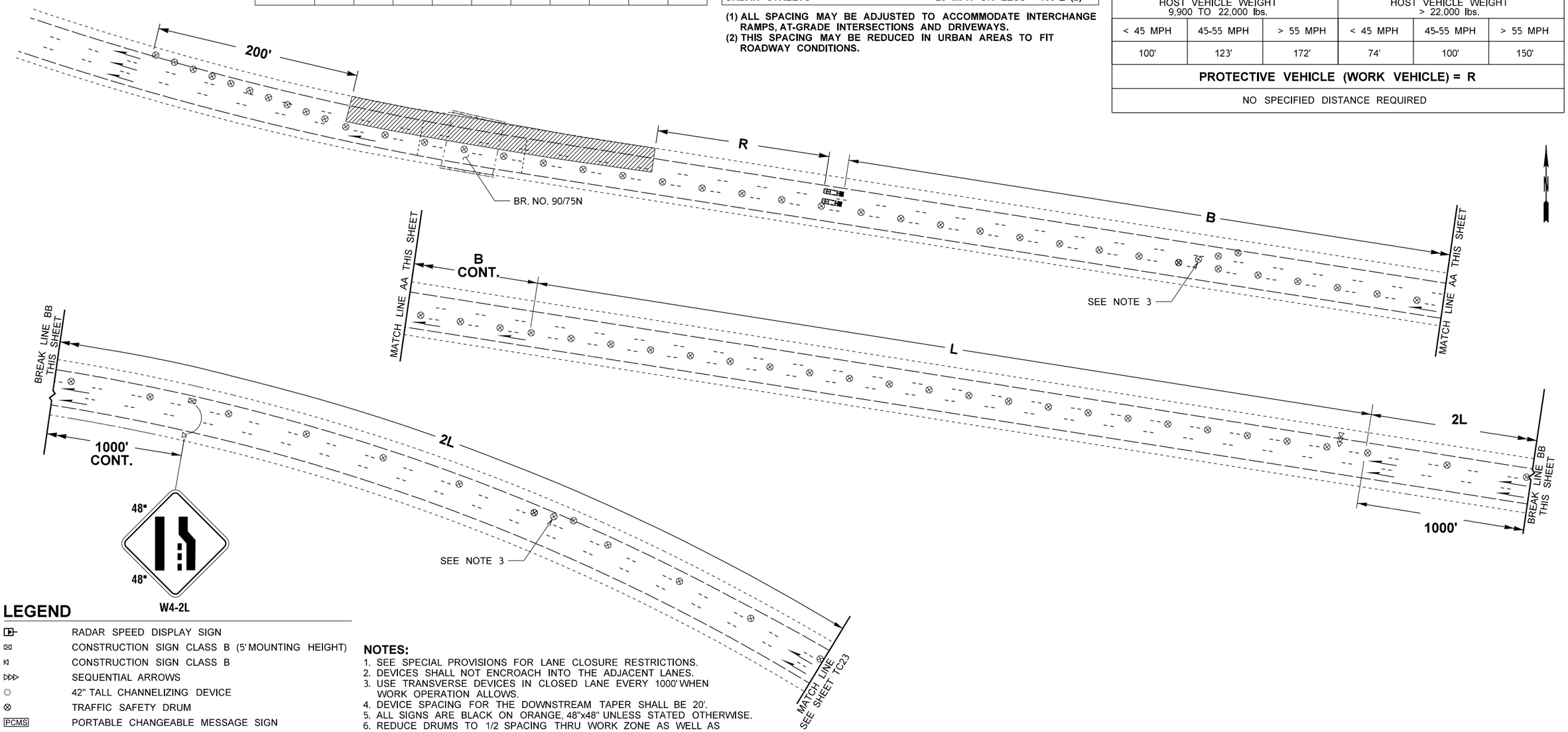
SIGN SPACING = X		
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R
NO SPECIFIED DISTANCE REQUIRED



LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
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NOTES:

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6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

WB I-90 (MP 21.44 TO MP 21.45)
TWO RIGHT LANE CLOSURE

(1 OF 2) NOT TO SCALE

SECTION 1

T:\412348\XL6152\LEVEL90\Live Rep\CAD\ContractPlans\XL6152_PS_41b_TC_2.dgn

TIME	6:35:22 AM				REGION NO.	STATE	FED.AID PROJ.NO.
DATE	11/29/2021				10	WASH	
PLOTTED BY	leec				JOB NUMBER		
DESIGNED BY	K. POON				21A012		
ENTERED BY	K. POON				CONTRACT NO.		LOCATION NO.
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 11

PLAN REF NO TC22

SHEET 161 OF 240 SHEETS

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

NOTES:
1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
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7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

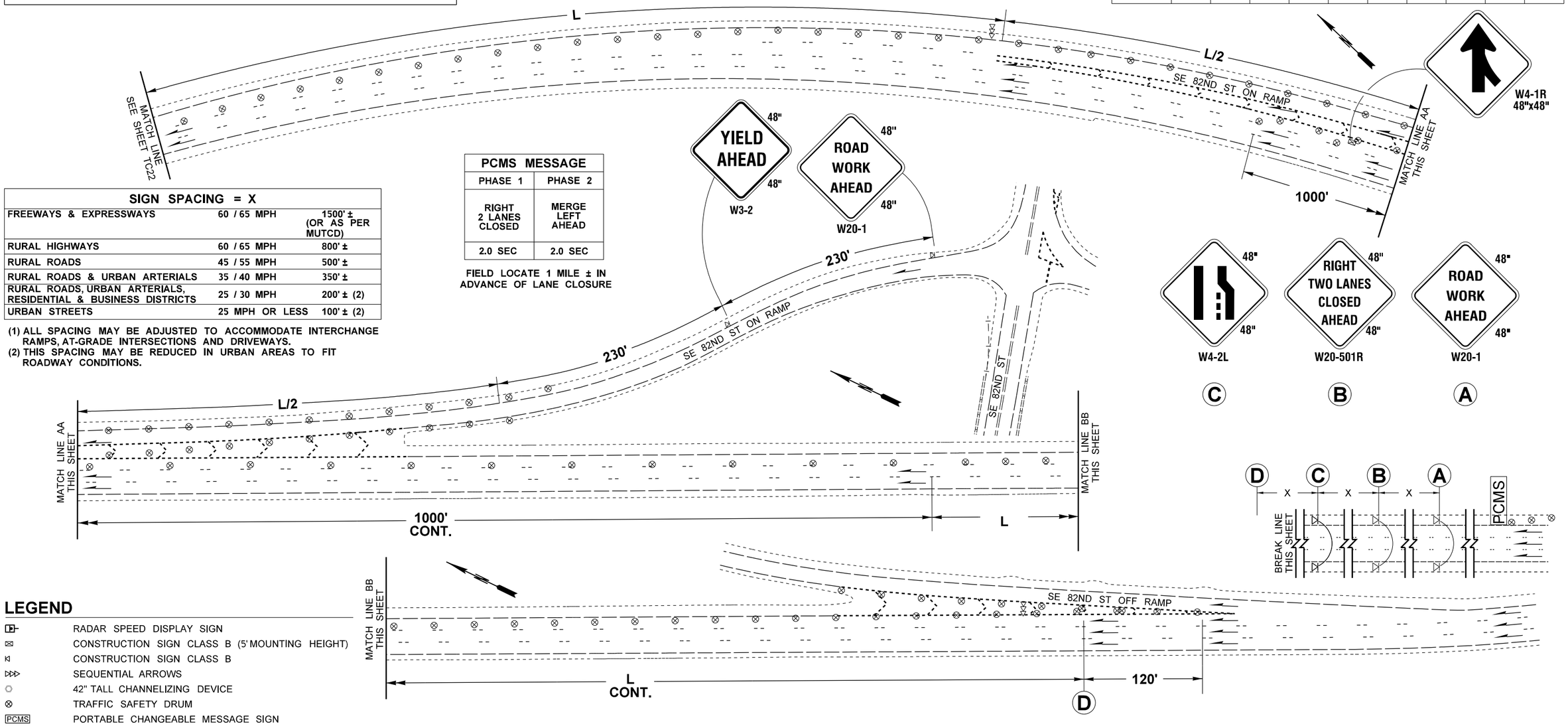
MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

SIGN SPACING = X		
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

PCMS MESSAGE	
PHASE 1	PHASE 2
RIGHT 2 LANES CLOSED	MERGE LEFT AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE



LEGEND

	RADAR SPEED DISPLAY SIGN
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIAL ARROWS
	42" TALL CHANNELIZING DEVICE
	TRAFFIC SAFETY DRUM
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
	TRANSPORTABLE ATTENUATOR
	TEMPORARY IMPACT ATTENUATOR

WB I-90 (MP 21.44 TO MP 21.45)
TWO RIGHT LANE CLOSURE

(2 OF 2) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41b_TC_2.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:35:27 AM				10	WASH	
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 12

PLAN REF NO TC23

SHEET 162 OF 240 SHEETS

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

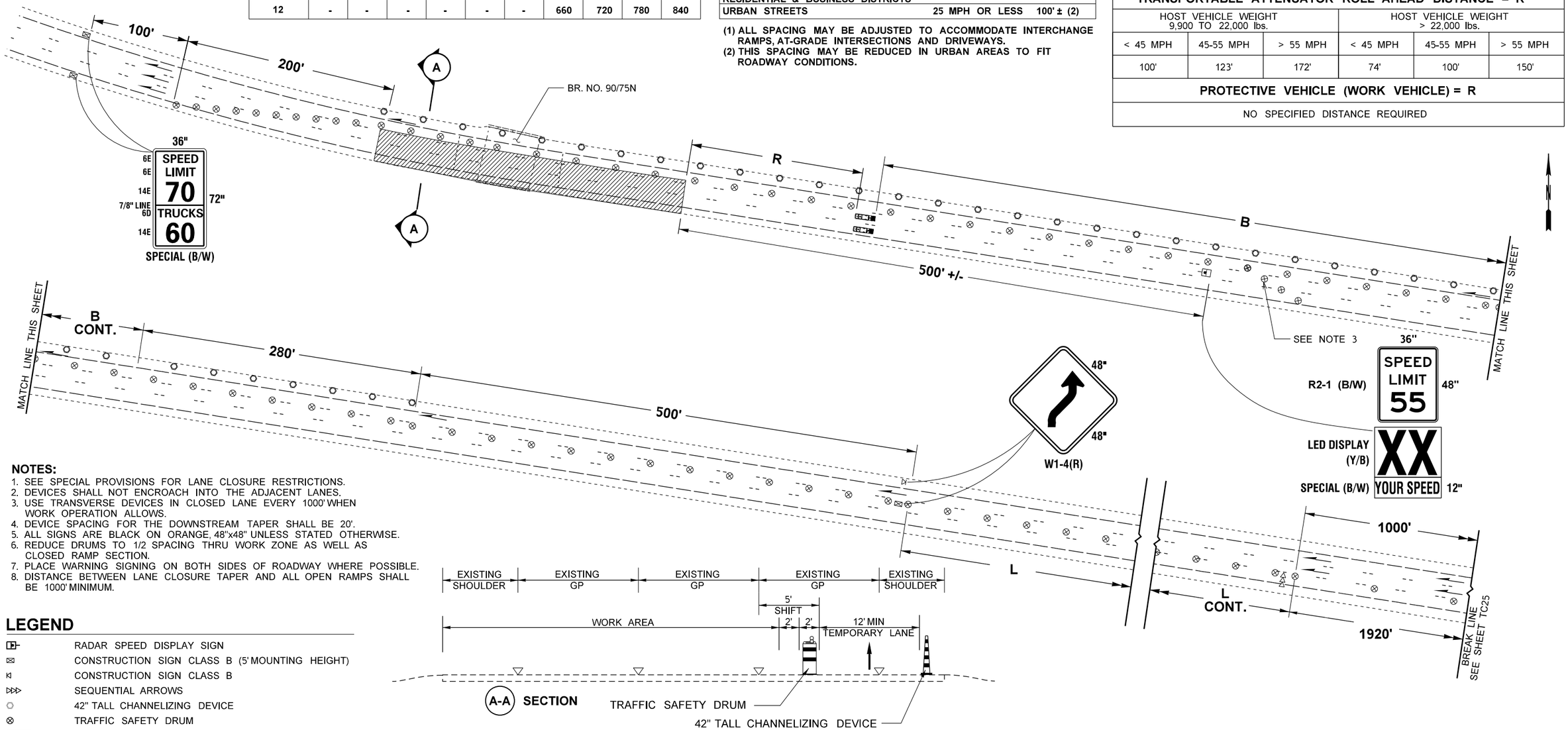
SIGN SPACING = X		
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R
NO SPECIFIED DISTANCE REQUIRED



NOTES:
1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

WB I-90 (MP 21.44 TO MP 21.45)
TWO LEFT LANE CLOSURE WITH LANE SHIFT

(1 OF 2) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41b_TC_2.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:35:33 AM				10	WASH	
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 13

PLAN REF NO TC24

SHEET 163 OF 240 SHEETS

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

NOTES:
1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

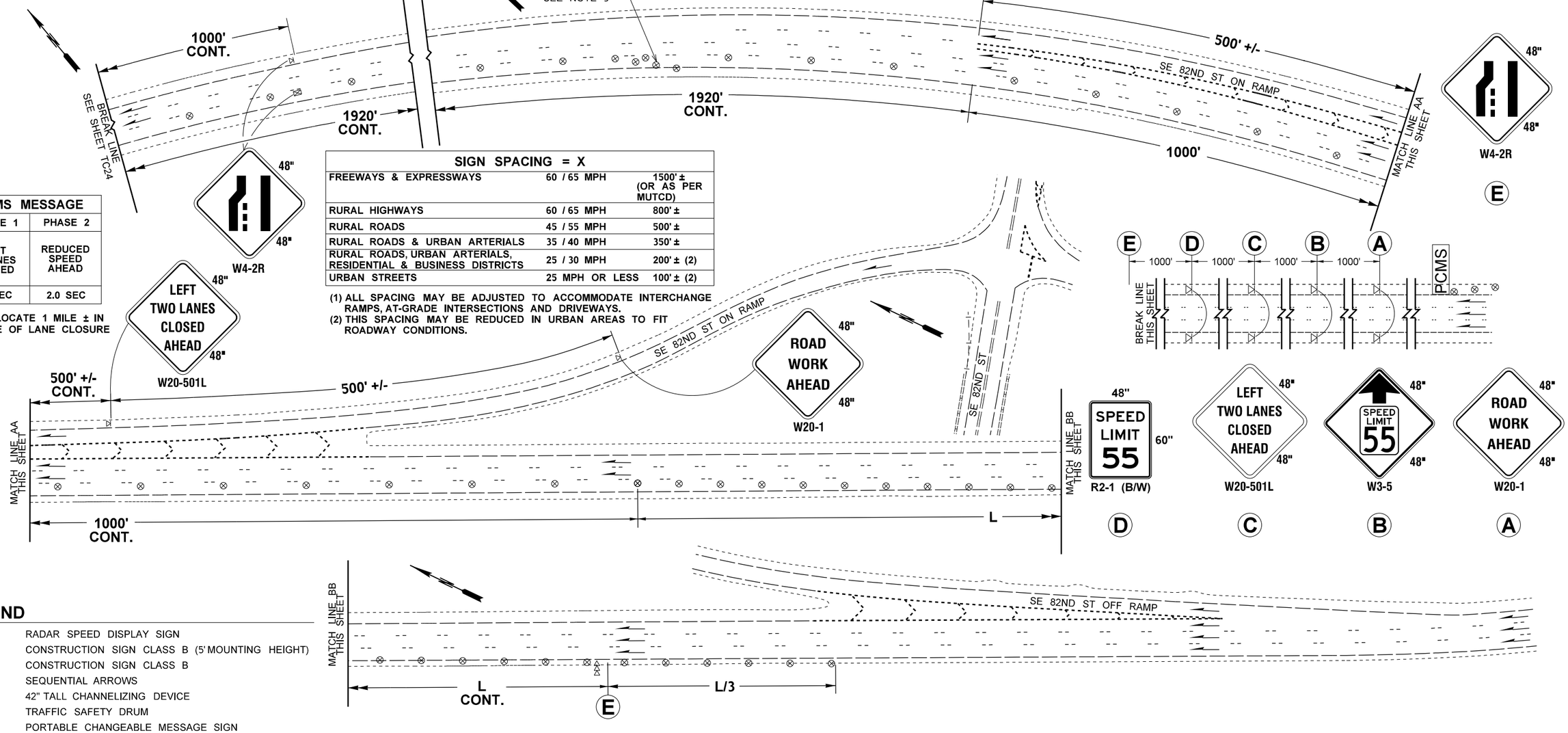
MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

PCMS MESSAGE	
PHASE 1	PHASE 2
LEFT 2 LANES CLOSED	REDUCED SPEED AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE

SIGN SPACING = X		
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

WB I-90 (MP 21.44 TO MP 21.45)
TWO LEFT LANE CLOSURE WITH LANE SHIFT

(2 OF 2) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41b_TC_2.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:35:40 AM				10	WASH	
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 14
PLAN REF NO TC25
SHEET 164 OF 240 SHEETS

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

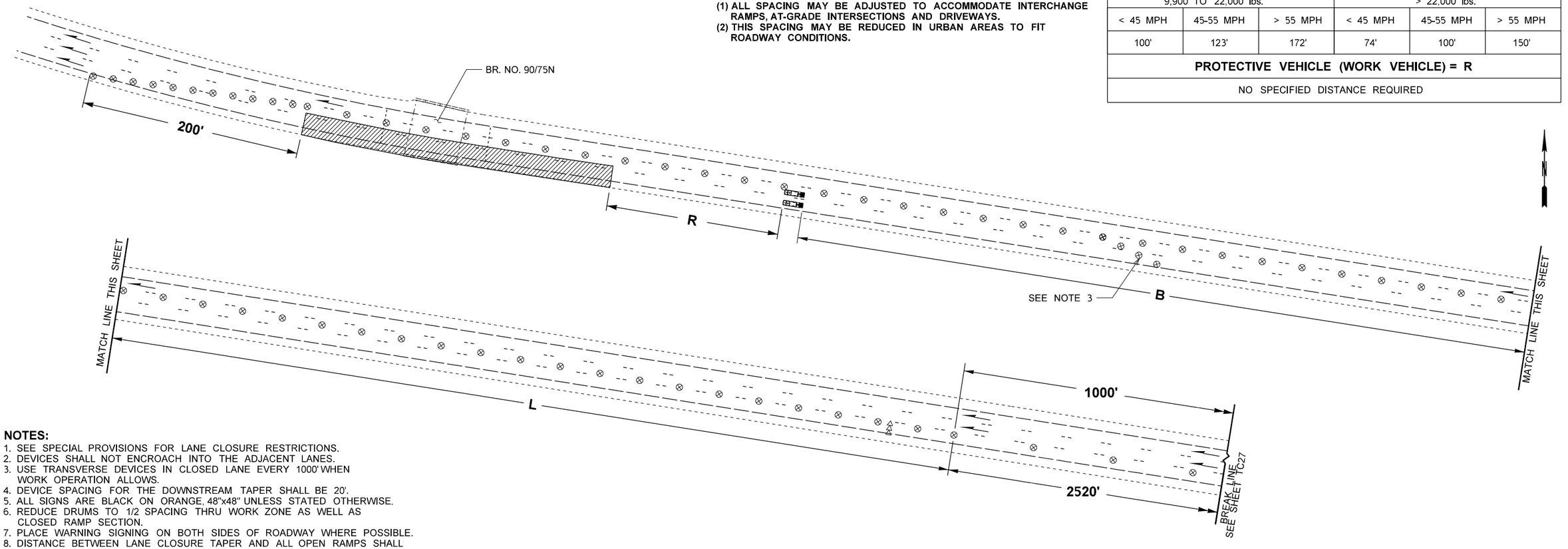
SIGN SPACING = X		
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R
NO SPECIFIED DISTANCE REQUIRED



NOTES:
1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

WB I-90 (MP 21.44 TO MP 21.45)
TWO LEFT LANE CLOSURE

(1 OF 2) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41b_TC_2.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:35:46 AM				10	WASH	
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

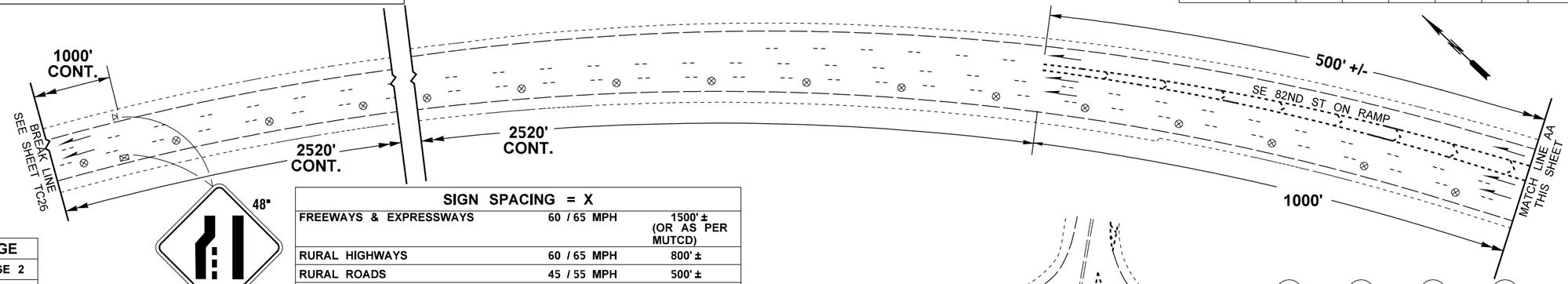
Plot 15
PLAN REF NO TC26
SHEET 165 OF 240 SHEETS

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

NOTES:
1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

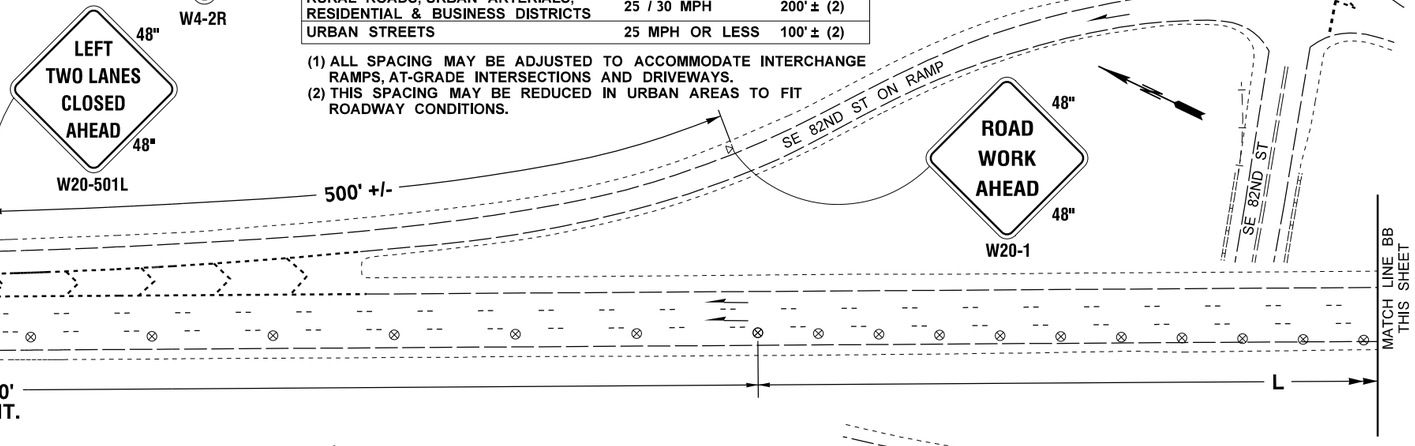


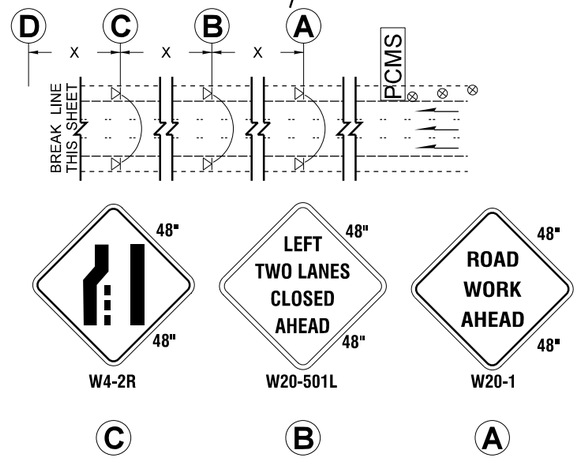
SIGN SPACING = X		
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

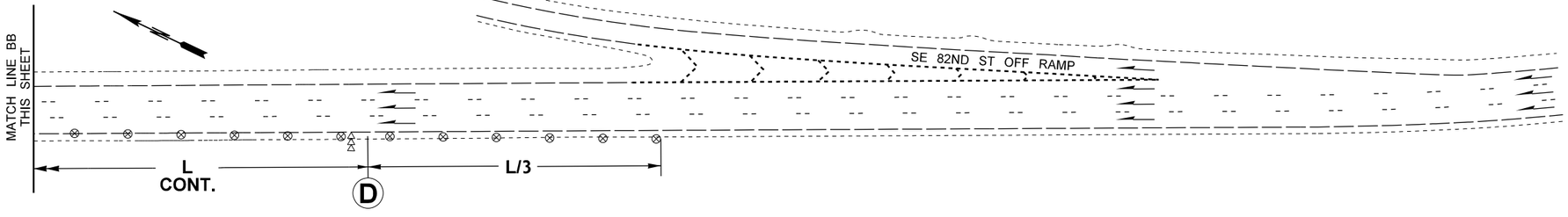
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

PCMS MESSAGE	
PHASE 1	PHASE 2
LEFT 2 LANES CLOSED	MERGE RIGHT AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE







LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

WB I-90 (MP 21.44 TO MP 21.45)
TWO LEFT LANE CLOSURE

(2 OF 2) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41b_TC_2.dgn						
TIME	6:35:53 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	11/29/2021						
PLOTTED BY	leec				JOB NUMBER 21A012		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 16
PLAN REF NO TC27
SHEET 166 OF 240 SHEETS

TL-3 APPROVED TEMPORARY IMPACT ATTENUATOR LIST	
ASBORB 350 (9 ELEMENTS)	QUEST*
SLED (4 MODULES)	QUADGUARD* (6 BAY)
ACZ-350 (4 SECTIONS)	
TRITON CET (6 SECTIONS)	
TRACC*	

* ATTENUATOR IS WIDER THAN 2.0'.
TL-3 ATTENUATORS APPROVED FOR ALL SPEEDS.

MINIMUM TAPER LENGTH = L (feet)

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

BUFFER DATA

LONGITUDINAL BUFFER SPACE = B

SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R

HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R

NO SPECIFIED DISTANCE REQUIRED

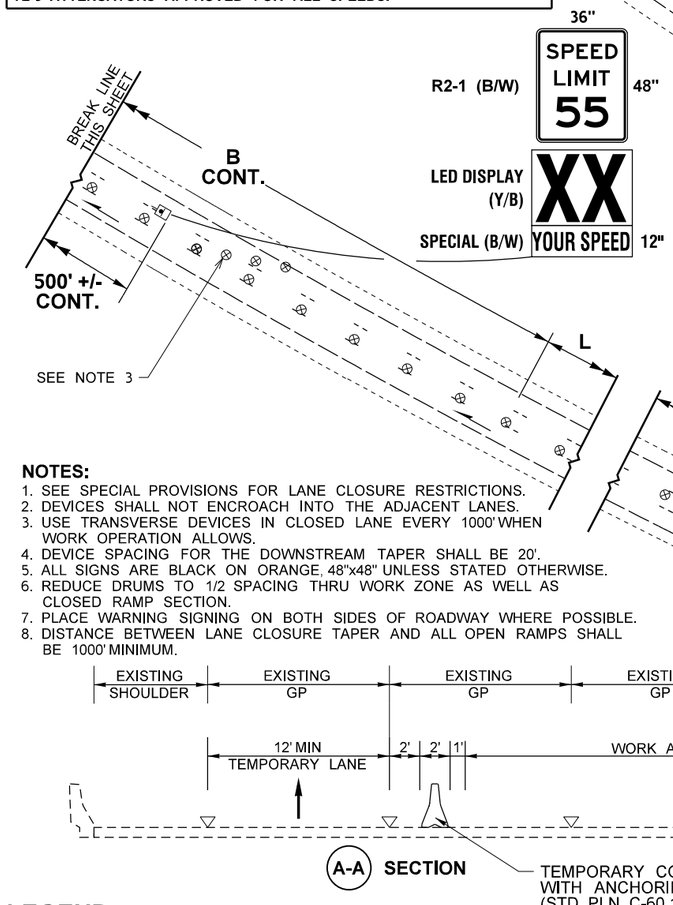
SIGN SPACING = X

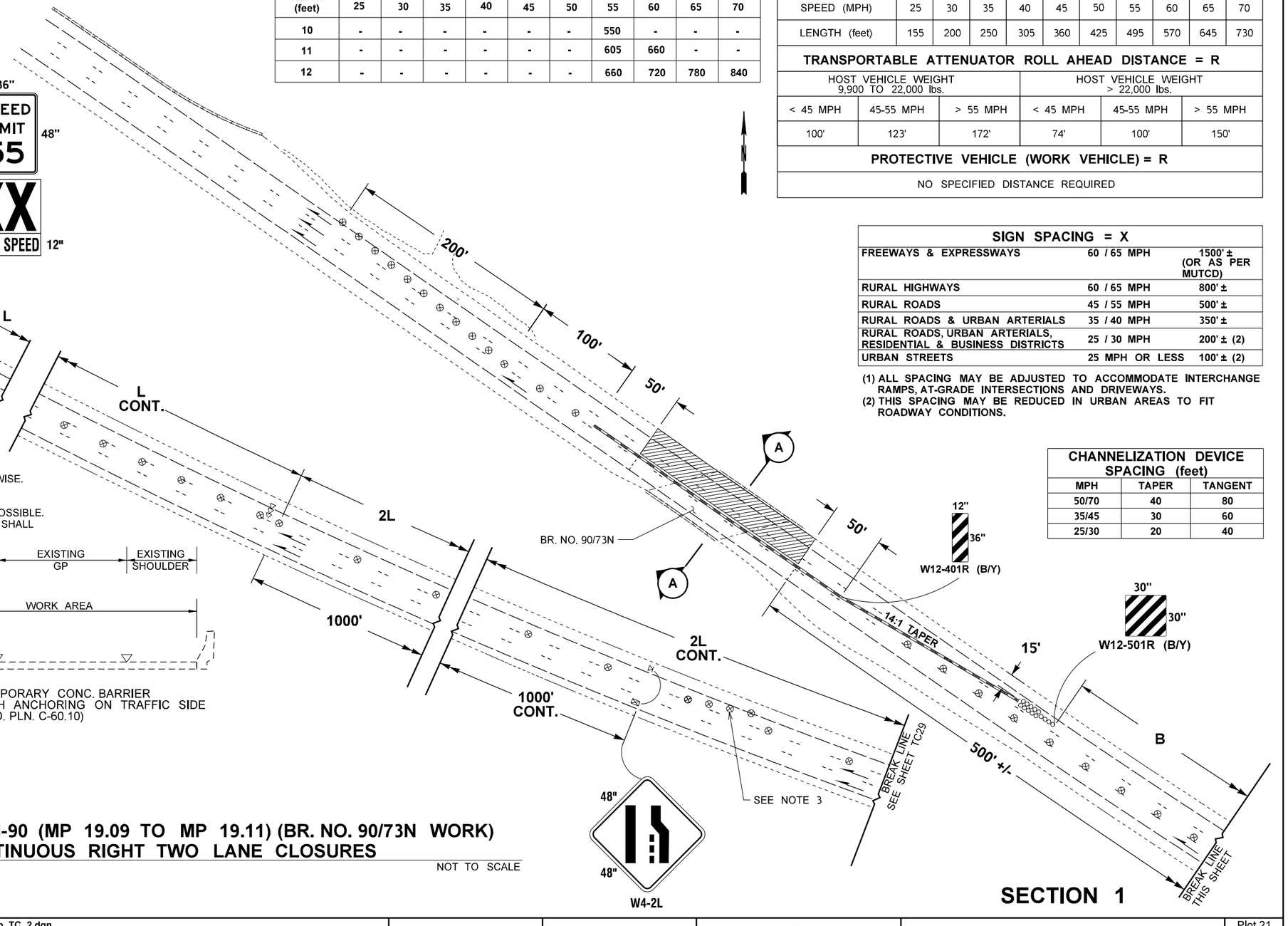
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (feet)

MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40





LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

NOTES:
1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

WB I-90 (MP 19.09 TO MP 19.11) (BR. NO. 90/73N WORK) CONTINUOUS RIGHT TWO LANE CLOSURES

(1 OF 3) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41b_TC_2.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:36:00 AM				10	WASH	
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

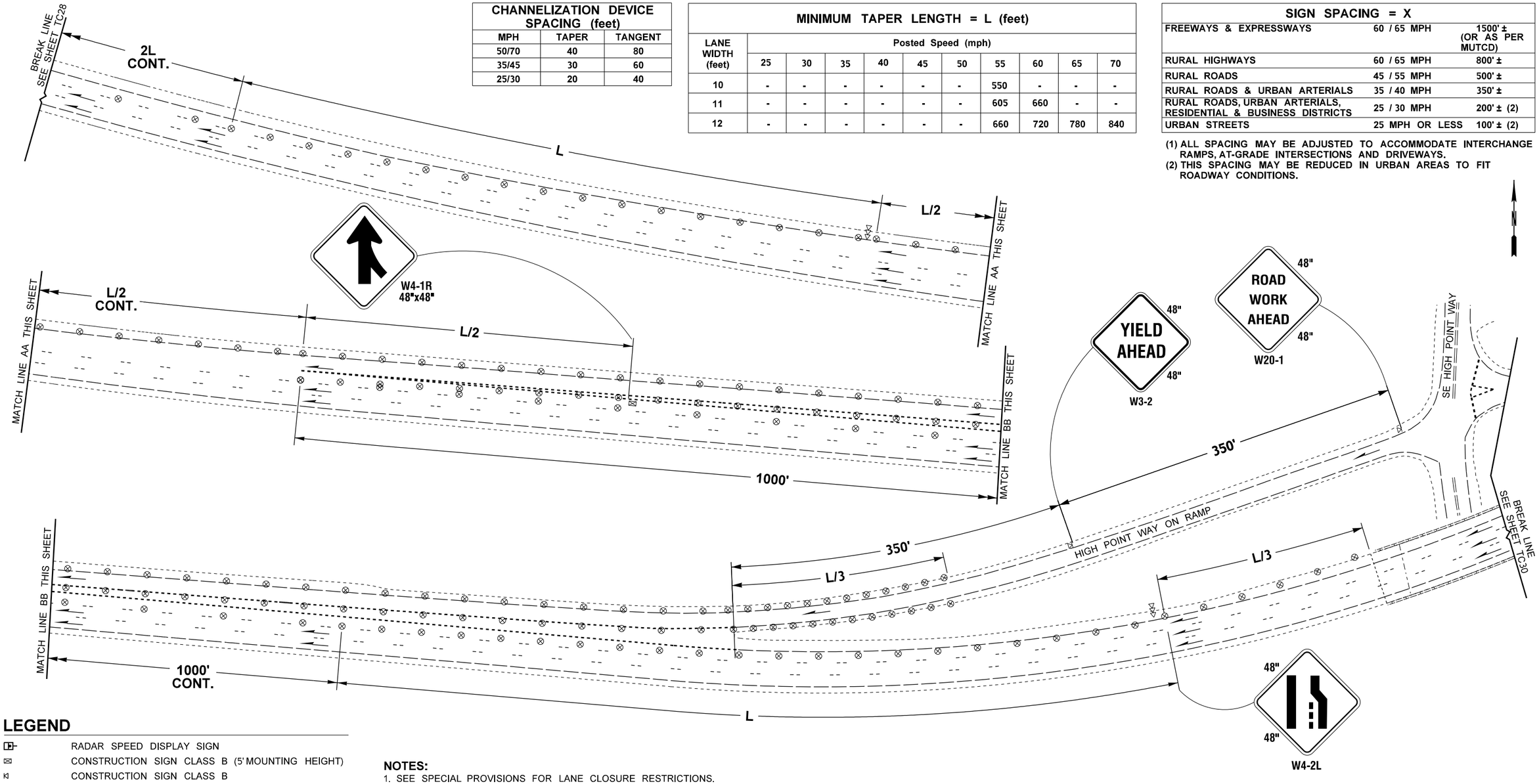
Plot 21
PLAN REF NO TC28
SHEET 167 OF 240 SHEETS

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

SIGN SPACING = X		
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

NOTES:

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

WB I-90 (MP 19.09 TO MP 19.11) (BR. NO. 90/73N WORK) CONTINUOUS RIGHT TWO LANE CLOSURES

(2 OF 3) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41b_TC_2.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:36:07 AM				10	WASH	
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

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Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 22
PLAN REF NO TC29
SHEET 168 OF 240 SHEETS

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

NOTES:
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7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

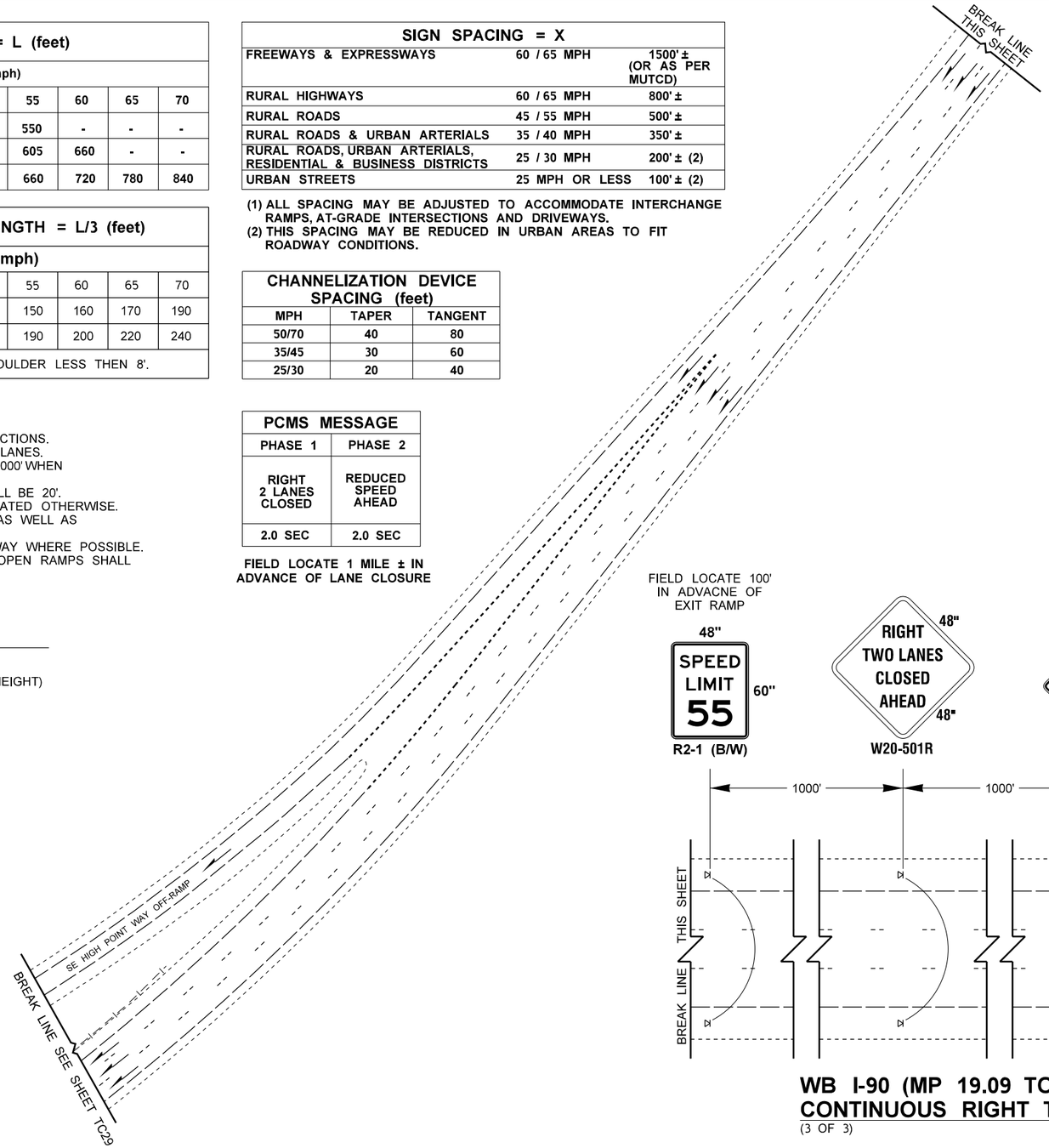
SIGN SPACING = X		
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

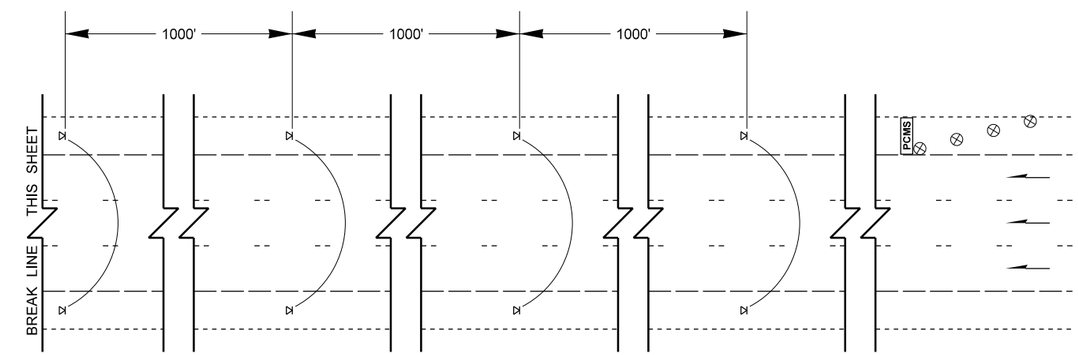
CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

PCMS MESSAGE	
PHASE 1	PHASE 2
RIGHT 2 LANES CLOSED	REDUCED SPEED AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE



FIELD LOCATE 100' IN ADVACNE OF EXIT RAMP



WB I-90 (MP 19.09 TO MP 19.11) (BR. NO. 90/73N WORK)
CONTINUOUS RIGHT TWO LANE CLOSURES
(3 OF 3) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41b_TC_2.dgn				REGION NO. / STATE	FED.AID PROJ.NO.	
TIME	6:36:13 AM				10 / WASH		
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	K. POON				CONTRACT NO.	LOCATION NO.	
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

DATE — P.E. STAMP BOX

DATE — P.E. STAMP BOX

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 23
PLAN REF NO TC30
SHEET 169 OF 240 SHEETS

TL-3 APPROVED TEMPORARY IMPACT ATTENUATOR LIST	
ASBORB 350 (9 ELEMENTS)	QUEST*
SLED (4 MODULES)	QUADGUARD* (6 BAY)
ACZ-350 (4 SECTIONS)	
TRITON CET (6 SECTIONS)	
TRACC*	

* ATTENUATOR IS WIDER THAN 2.0'.
TL-3 ATTENUATORS APPROVED FOR ALL SPEEDS.

MINIMUM TAPER LENGTH = L (feet)

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

BUFFER DATA

LONGITUDINAL BUFFER SPACE = B

SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R

HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R

NO SPECIFIED DISTANCE REQUIRED

SIGN SPACING = X

FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

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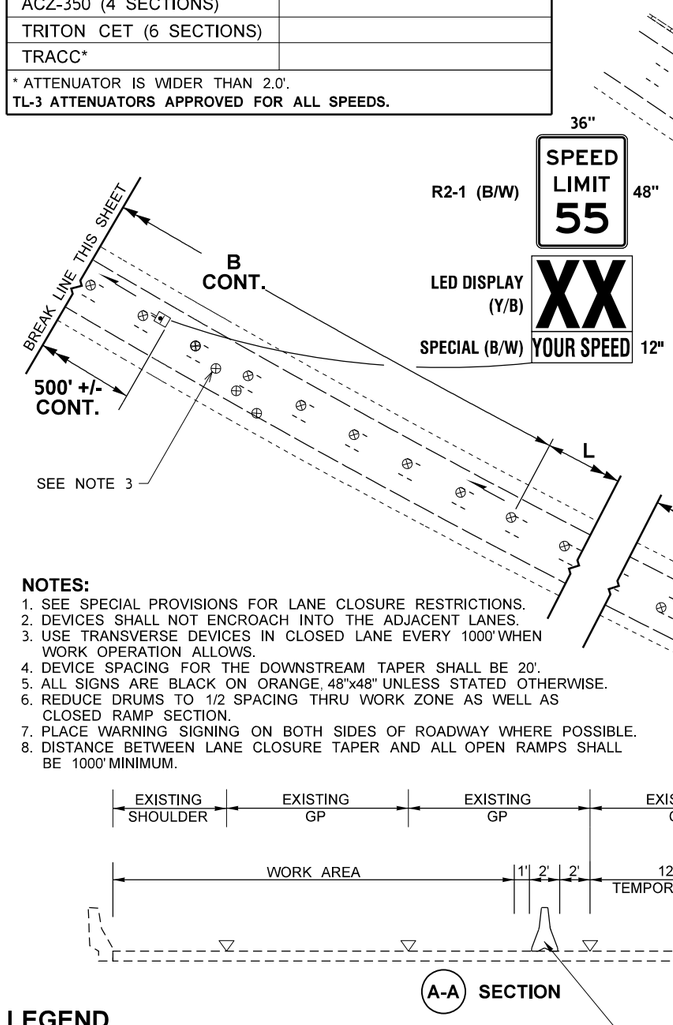
CHANNELIZATION DEVICE SPACING (feet)

MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40



NOTES:
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6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

WB I-90 (MP 19.09 TO MP 19.11) (BR. NO. 90/73N WORK) CONTINUOUS LEFT TWO LANE CLOSURES

(1 OF 3) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41b_TC_2.dgn						
TIME	6:36:19 AM			REGION NO.	STATE	FED.AID PROJ.NO.	
DATE	11/29/2021			10	WASH		
PLOTTED BY	leec			JOB NUMBER			
DESIGNED BY	K. POON			21A012			
ENTERED BY	K. POON			CONTRACT NO.		LOCATION NO.	
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

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Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 24
PLAN REF NO TC31
SHEET 170 OF 240 SHEETS

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

SIGN SPACING = X		
FREEWAYS & EXPRESSWAYS	60 / 65 MPH	1500' ± (OR AS PER MUTCD)
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RURAL ROADS	45 / 55 MPH	500' ±
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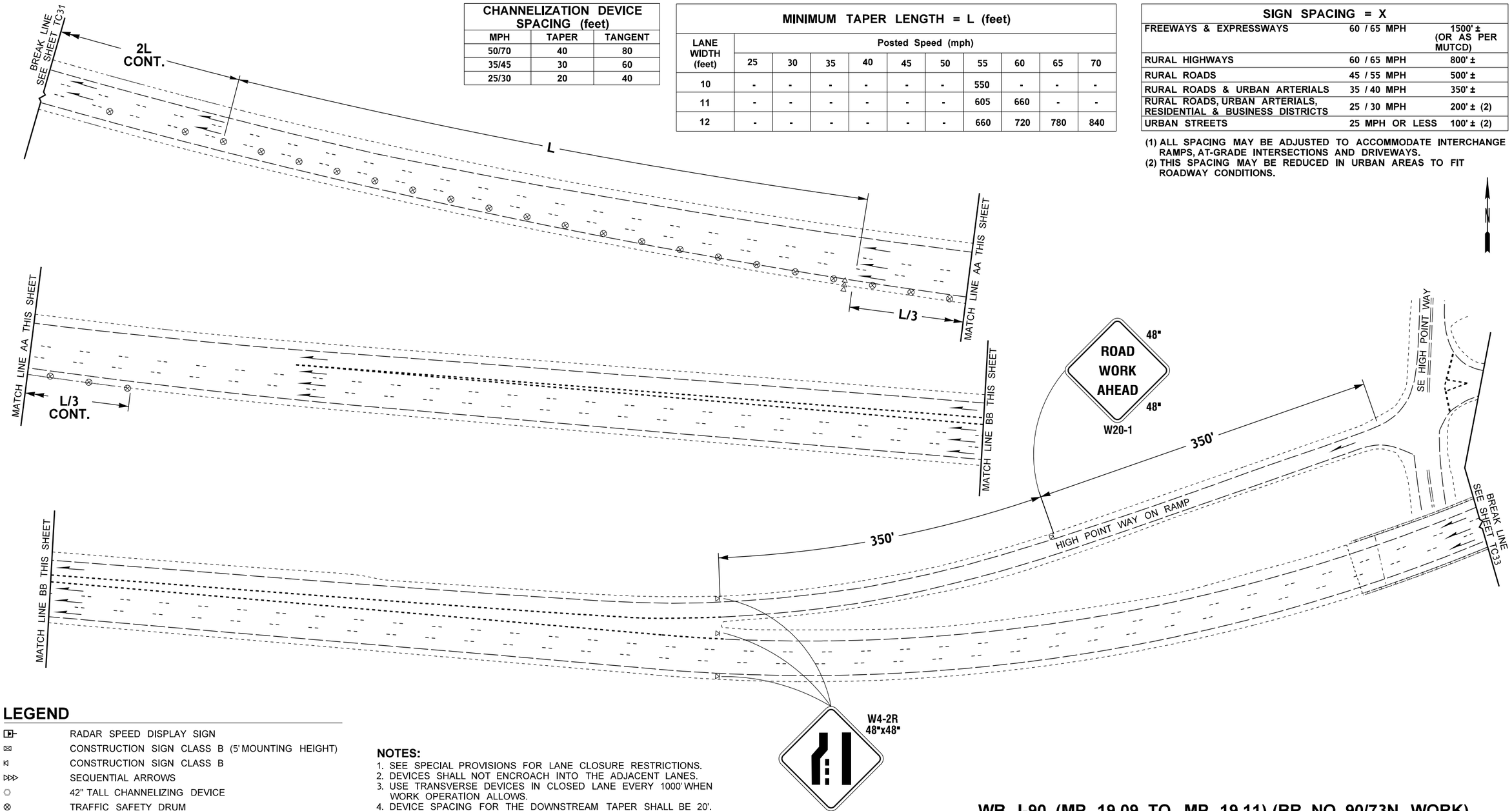

LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
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NOTES:

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7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

WB I-90 (MP 19.09 TO MP 19.11) (BR. NO. 90/73N WORK) CONTINUOUS LEFT TWO LANE CLOSURES

(2 OF 3) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41b_TC_2.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:36:25 AM				10	WASH	
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

DATE — P.E. STAMP BOX

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Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 25

PLAN REF NO TC32

SHEET 171 OF 240 SHEETS

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

NOTES:
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CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

PCMS MESSAGE	
PHASE 1	PHASE 2
LEFT 2 LANES CLOSED	REDUCED SPEED AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE

LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
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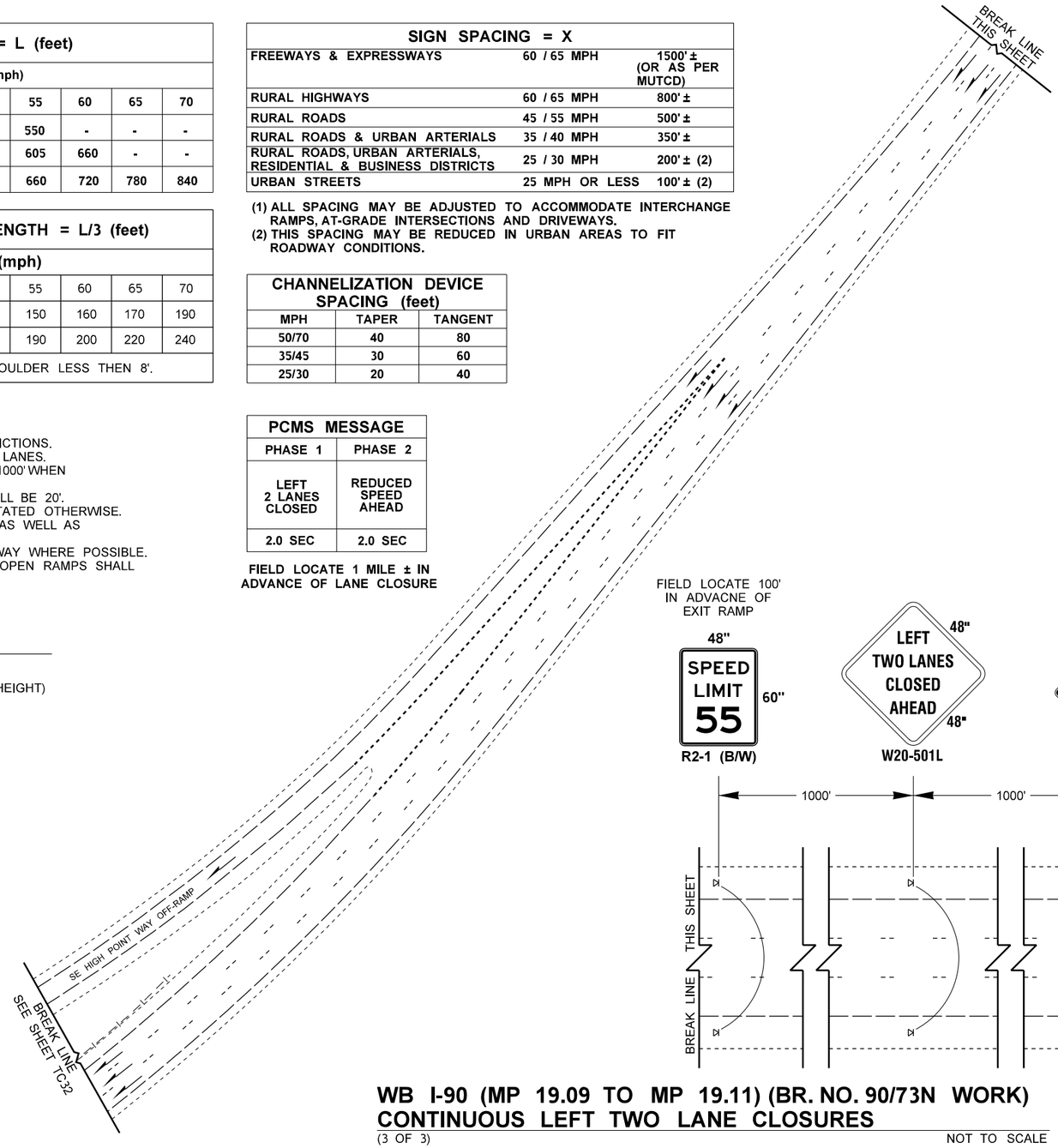
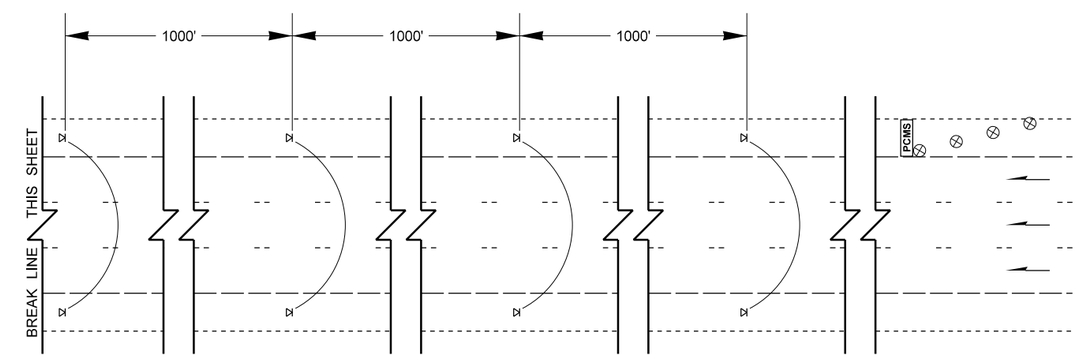


FIELD LOCATE 100' IN ADVACNE OF EXIT RAMP



WB I-90 (MP 19.09 TO MP 19.11) (BR. NO. 90/73N WORK)
CONTINUOUS LEFT TWO LANE CLOSURES

(3 OF 3) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41b_TC_2.dgn				REGION NO. / STATE	FED.AID PROJ.NO.	
TIME	6:36:30 AM				10 / WASH		
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	K. POON				CONTRACT NO.	LOCATION NO.	
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

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Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 26
PLAN REF NO TC33
SHEET 172 OF 240 SHEETS

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

NOTES:
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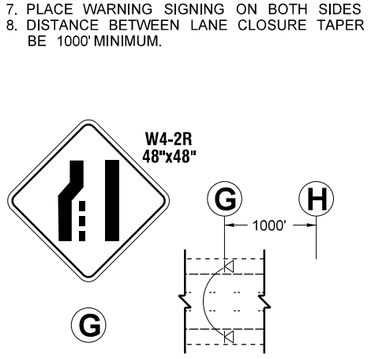
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

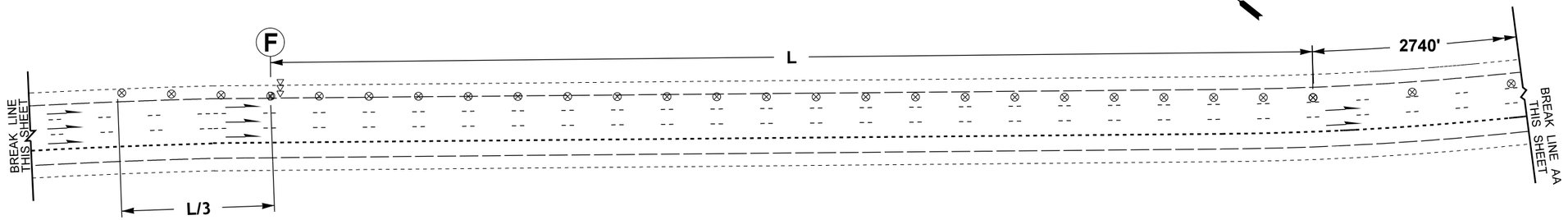
MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

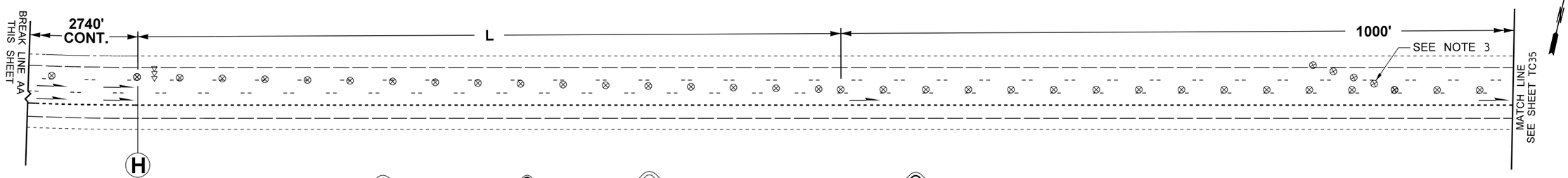
CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

PCMS MESSAGE	
PHASE 1	PHASE 2
LEFT 2 LANES CLOSED	REREDUCED SPEED AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE





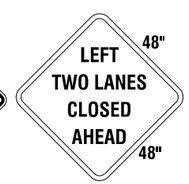


LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

W20-1 (A)

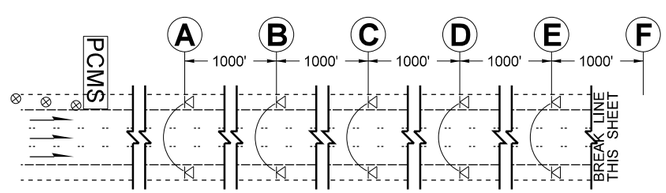
W3-5 (B)



W20-501L (C)

R2-1 (B/W) (D)

W4-2R (E)



EB I-90 (MP 25.65 TO MP 25.69)
TWO LEFT LANE CLOSURE WITH LANE SHIFT
(1 OF 3) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41c_TC_3.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:36:33 AM				10	WASH	
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	E. CARRANZA				CONTRACT NO.		LOCATION NO.
ENTERED BY	E. CARRANZA						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 1
PLAN REF NO TC34
SHEET 173 OF 240 SHEETS

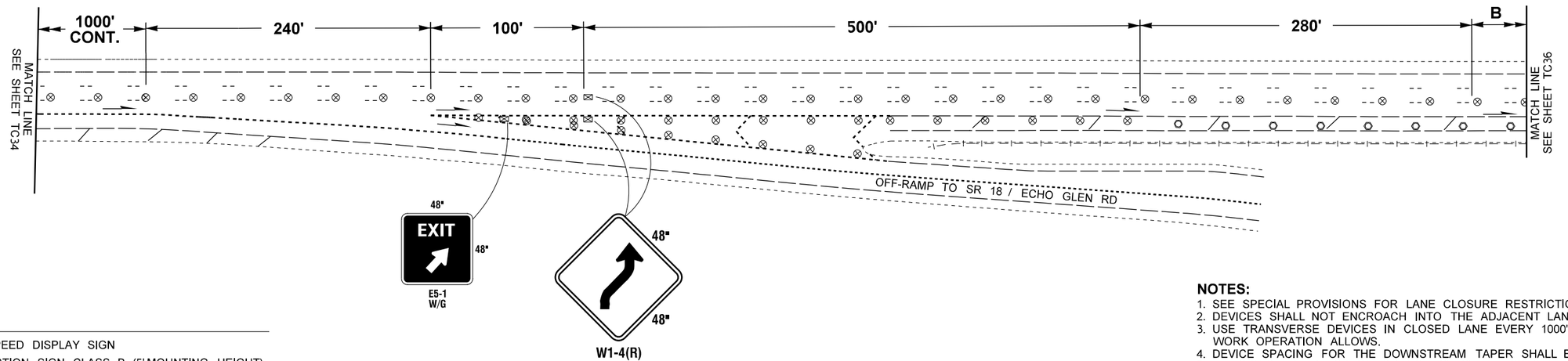
CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R
NO SPECIFIED DISTANCE REQUIRED



LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

NOTES:

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

EB I-90 (MP 25.65 TO MP 25.69)
TWO LEFT LANE CLOSURE WITH LANE SHIFT

(2 OF 3) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41c_TC_3.dgn				REGION NO.	STATE	FED.AID PROJ.NO.	
TIME	6:36:35 AM				10	WASH		
DATE	11/29/2021				JOB NUMBER			
PLOTTED BY	leec				21A012			
DESIGNED BY	E. CARRANZA				CONTRACT NO.		LOCATION NO.	
ENTERED BY	E. CARRANZA							
CHECKED BY	C. ANDERSON							
PROJ. ENGR.	C. WINNINGHAM							
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY				

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 2

PLAN REF NO
TC35

SHEET
174
OF
240
SHEETS

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

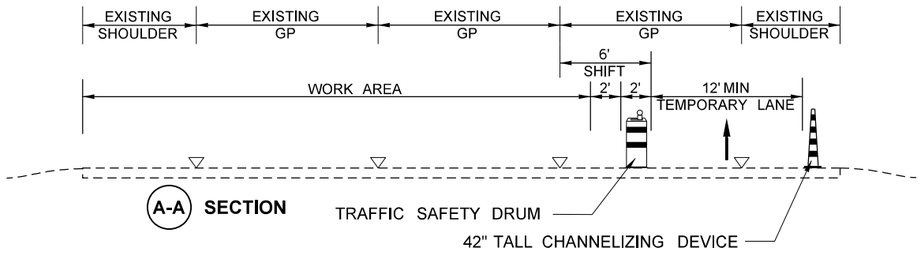
MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	-	-	550	-	-	-
11	-	-	-	-	-	-	605	660	-	-
12	-	-	-	-	-	-	660	720	780	840

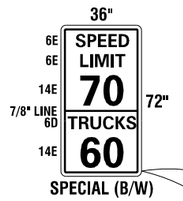
BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

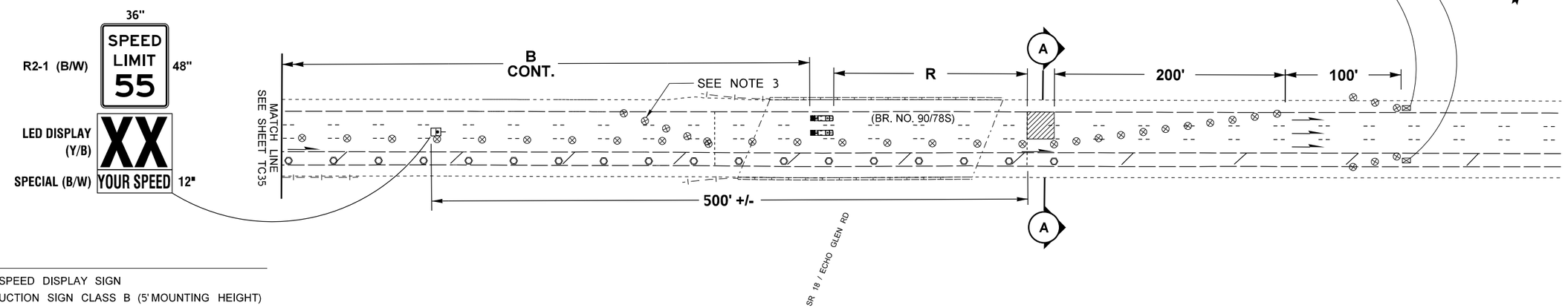
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

PROTECTIVE VEHICLE (WORK VEHICLE) = R
NO SPECIFIED DISTANCE REQUIRED

NOTES:
1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO 1/2 SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.







LEGEND

- RADAR SPEED DISPLAY SIGN
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROWS
- 42" TALL CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR
- TEMPORARY IMPACT ATTENUATOR

EB I-90 (MP 25.65 TO MP 25.69)
TWO LEFT LANE CLOSURE WITH LANE SHIFT

(2 OF 3) NOT TO SCALE

SECTION 1

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_41c_TC_3.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:36:36 AM				10	WASH	
DATE	11/29/2021				JOB NUMBER		
PLOTTED BY	leec				21A012		
DESIGNED BY	K. POON				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. POON						
CHECKED BY	C. ANDERSON						
PROJ. ENGR.	C. WINNINGHAM						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 3

PLAN REF NO TC36

SHEET 175 OF 240 SHEETS

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE > 22,000 lbs.		
< 45	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS RESIDENTAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS. (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.		

TRAFFIC SAFETY DRUM SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

42" TALL CHANNELIZING DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	20	40
35/45	15	30
25/30	10	20

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
40/45	30	60

GENERAL NOTES:

1. SEE SPECIAL PROVISIONS FOR "CONSTRUCTION UNDER TRAFFIC" FOR CLOSURE HOUR RESTRICTIONS AND OTHER TRAFFIC CONTROL REQUIREMENTS.
2. NO ENCROACHMENT IN TRAVELED LANE.
3. EXTEND DEVICE TAPER AT L/3 ACROSS SHOULDER.
4. USE A DOWNSTREAM TAPER TO END LANE CLOSURES WITH 20' DEVICE SPACING.
5. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.
6. USE TRANSVERSE DEVICES IN CLOSED LANES EVERY 500' +/-.
7. MOTORCYCLES USE EXTREME CAUTION SIGNS (W21-1701) SHALL BE INSTALLED WHEN THE FOLLOWING CONDITIONS EXIST:
   - GROOVED PAVEMENT
   - ABRUPT LANE EDGE
   - STEEL PLATES
   - LOOSE GRAVEL OR SOILS.
8. A SPECIFIC SIGN FOR EACH OF THE CONDITIONS NOTED SHALL BE INSTALLED ALONG WITH THE "MOTORCYCLES USE EXTREME CAUTION" SIGNS.
9. TEMPORARY TRAFFIC CONTROL DEVICES SHALL NOT OBSTRUCT PEDESTRIAN OR BICYCLE ROUTES.
10. MAINTAIN A MINIMUM OF 14 FEET WIDE RAMP LANE AT ALL RAMPS, UNLESS OTHERWISE NOTED.
11. MAINTAIN A MINIMUM DISTANCE OF 2' BETWEEN WORK ZONE.
12. TRAFFIC SIGNALS SHALL BE ON ALL-RED FLASH WHILE OFFICER OR FLAGGERS CONTROL A SIGNALIZED INTERSECTION.
13. REDUCE DEVICE SPACING BY HALF BETWEEN 2 WAY TRAFFIC WHEN LEFT OF CENTERLINE.

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC1.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	11:52:00 AM						
DATE	11/30/2021				JOB NUMBER 21A012		
PLOTTED BY	haukapa						
DESIGNED BY	T. BERTOLINI				CONTRACT NO.		LOCATION NO.
ENTERED BY	T. BERTOLINI						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

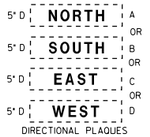
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 34

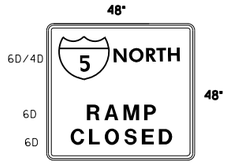
PLAN REF NO TC37

SHEET 176 OF 240 SHEETS

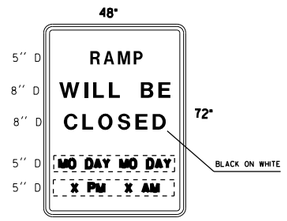


DIRECTIONAL PLAQUES

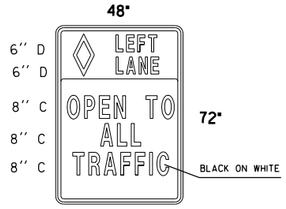
14-1/2" X 16" SHIELD PLAQUES WITH 5" C NUMBERS



SPECIAL BLACK/WHITE 12" SHIELD



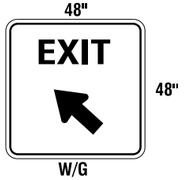
(DS-1) R11-1501



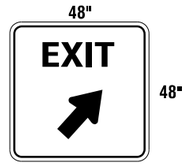
R3-11 (MOD)

R11-2 MOD B/W

E5-2A



W/G
E5-1



W/G

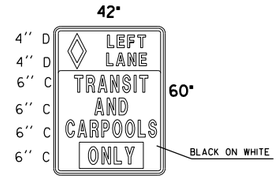
W4-1R

W4-3R

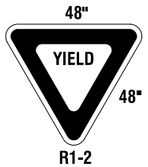
W4-2(L)

W4-2R

M4-9L



R3-11(MOD)



R1-2 R/W

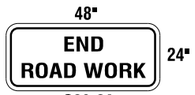
W21-1701

W3-2A

W21-5

W20-301

R11-2(MOD) B/W



G20-2A

M4-9R

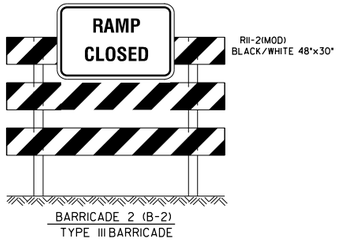
W20-5L (MOD)

W5-1

W20-5L (MOD)

W20-5R

60"
ROAD WORK NEXT X MILES 24"
G20-1



G24-501
Phone number will be provided by the project engineer

W20-3

W8-2001

W8-1

W20-5R (MOD)

W20-1

W20-5L (MOD)

W20-5R (MOD)

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC1.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	11:52:25 AM						
DATE	11/30/2021						
PLOTTED BY	haukapa						
DESIGNED BY	T. BERTOLINI				JOB NUMBER 21A012		
ENTERED BY	T. BERTOLINI						
CHECKED BY	L. CLAYWELL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

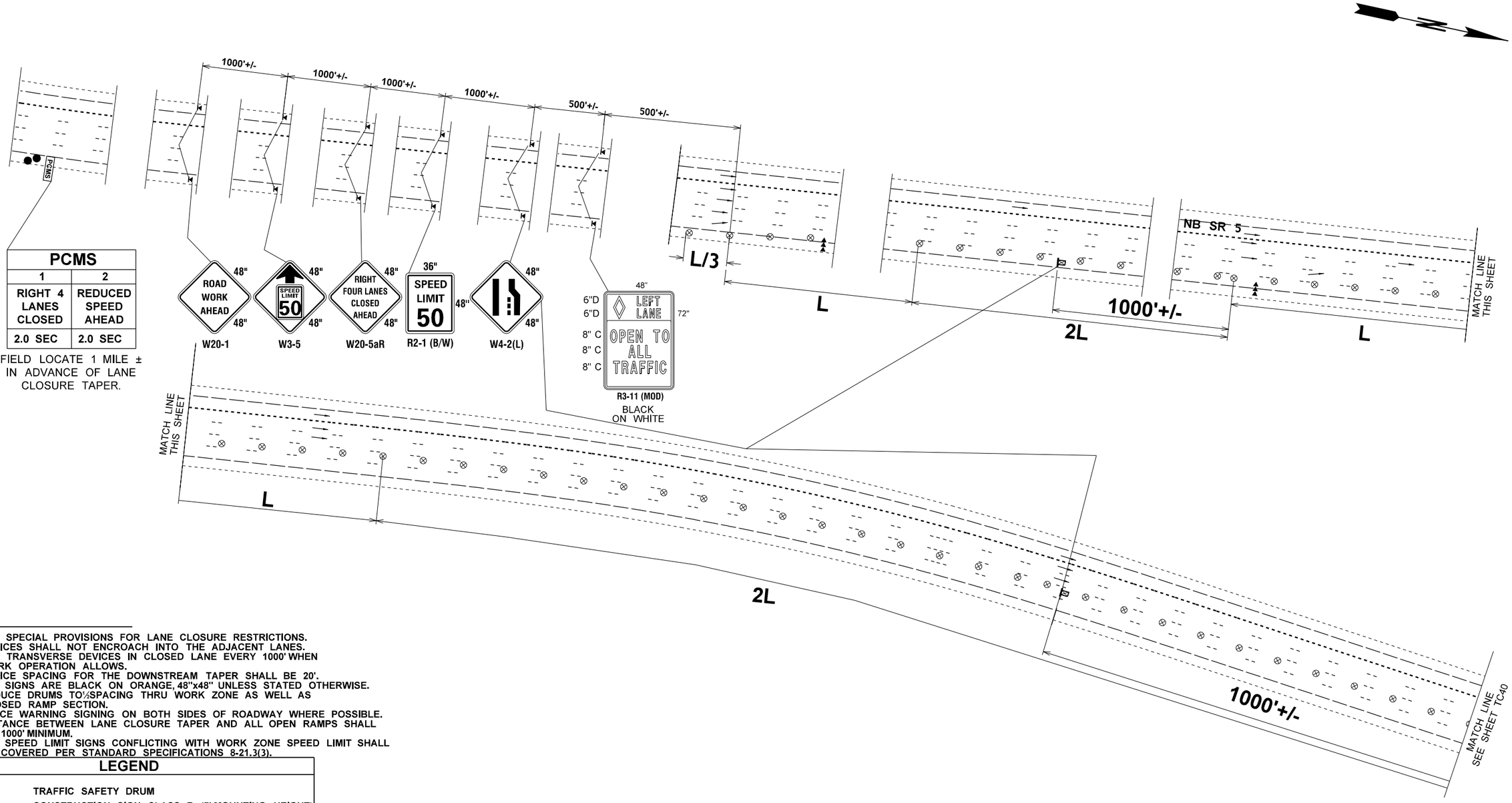
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 43

PLAN REF NO TC38

SHEET 177 OF 240 SHEETS



PCMS	
1	2
RIGHT 4 LANES CLOSED	REDUCED SPEED AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE TAPER.

NOTES

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO½SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.
9. ALL SPEED LIMIT SIGNS CONFLICTING WITH WORK ZONE SPEED LIMIT SHALL BE COVERED PER STANDARD SPECIFICATIONS 8-21.3(3).

LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TA TRANSPORTABLE ATTENUATOR

0 50 100
SCALE IN FEET

TRAFFIC CONTROL PLAN
STAGE 1A

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_1A.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	12:01:51 PM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

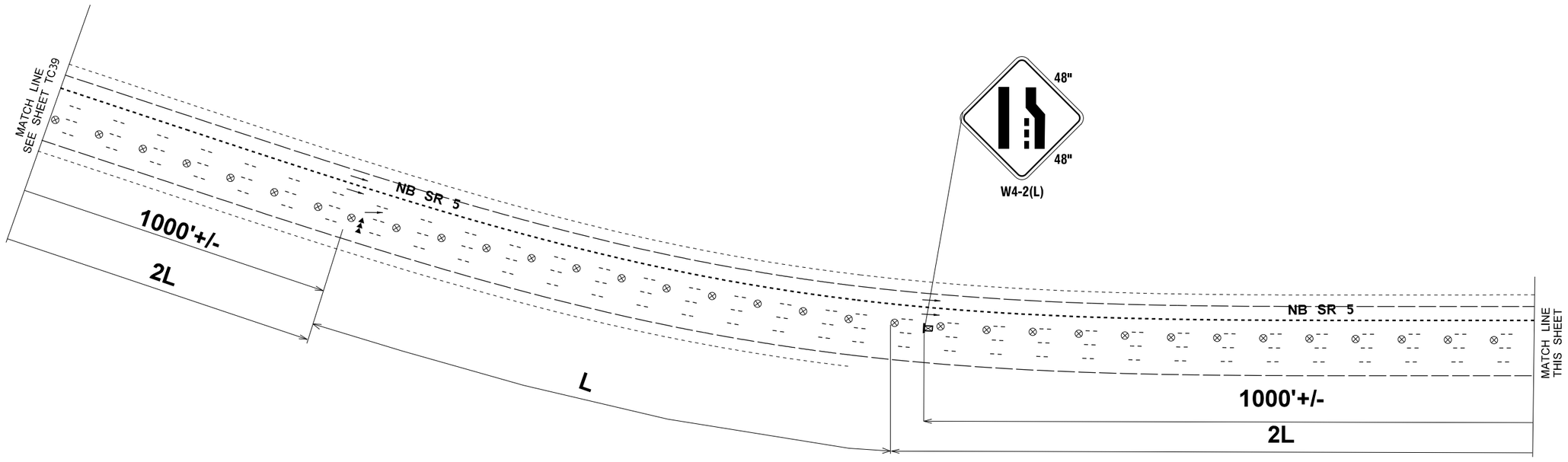
P.E. STAMP BOX — DATE

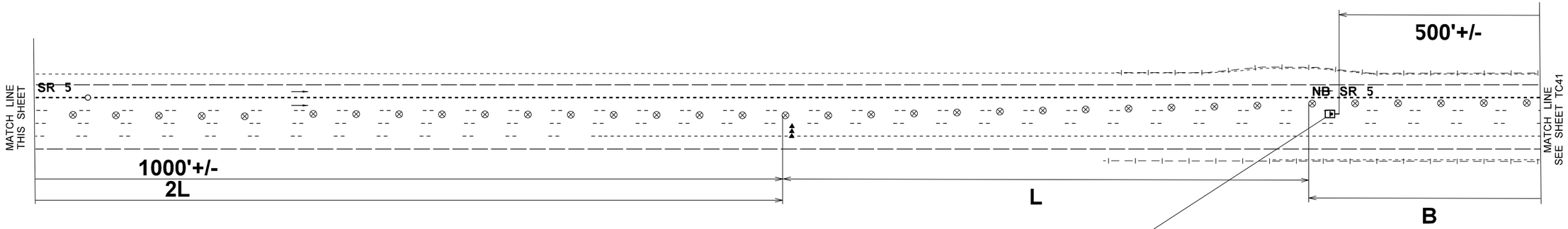
Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 44
PLAN REF NO TC39
SHEET 178 OF 240 SHEETS





NOTES

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO½SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.
9. ALL SPEED LIMIT SIGNS CONFLICTING WITH WORK ZONE SPEED LIMIT SHALL BE COVERED PER STANDARD SPECIFICATIONS 8-21.3(3).

TRAFFIC CONTROL PLAN
STAGE 1A

0 50 100
SCALE IN FEET

36"
R2-1 (B/W) SPEED LIMIT 50 48"
SPECIAL (B/W) YOUR SPEED XX 12"
LED DISPLAY (Y/B)

COVER ALL CONFLICTING SPEED LIMIT SIGNS

SPEED LIMIT 60

LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_1A.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	12:02:11 PM						
DATE	11/30/2021				JOB NUMBER 21A012		
PLOTTED BY	haukapa						
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

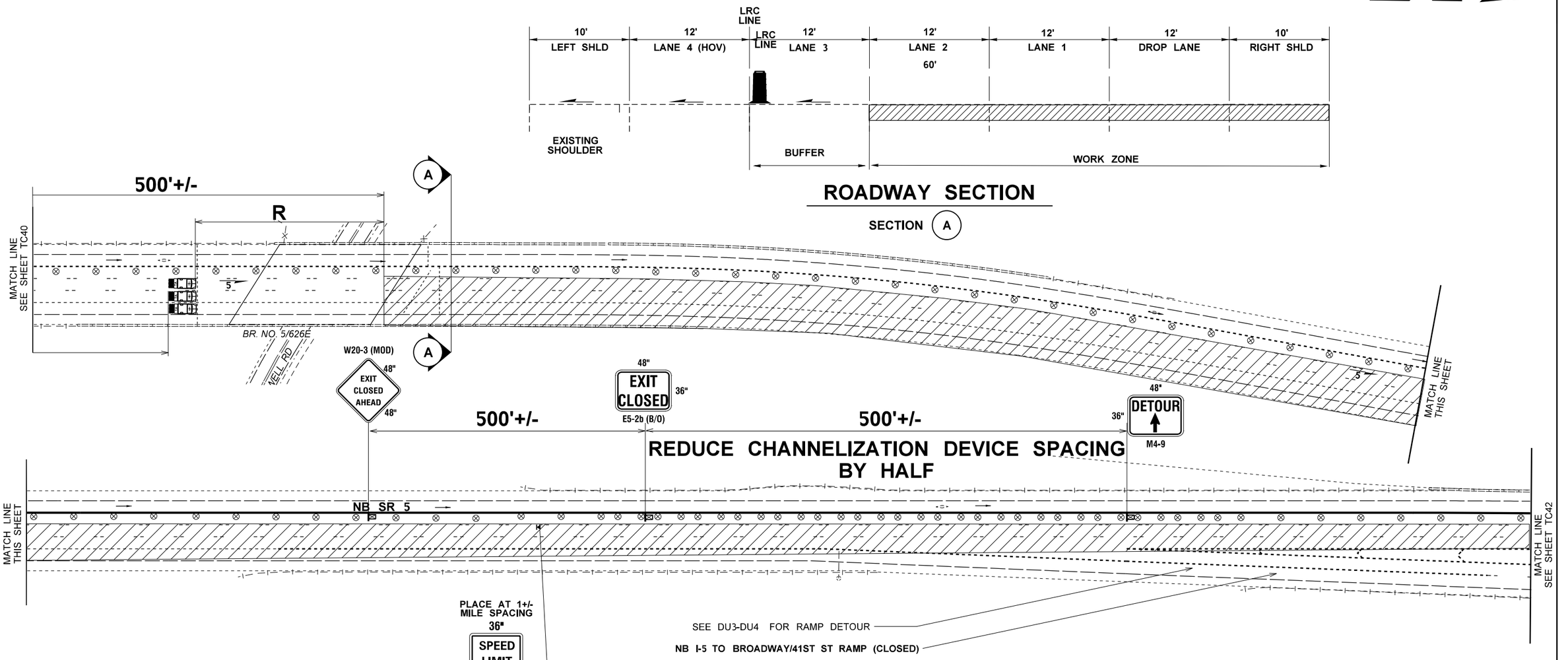
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 45

PLAN REF NO TC40

SHEET 179 OF 240 SHEETS



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8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.
9. ALL SPEED LIMIT SIGNS CONFLICTING WITH WORK ZONE SPEED LIMIT SHALL BE COVERED PER STANDARD SPECIFICATIONS 8-21.3(3).

TRAFFIC CONTROL PLAN STAGE 1A

0 50 100
SCALE IN FEET

LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_1A.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	12:02:30 PM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

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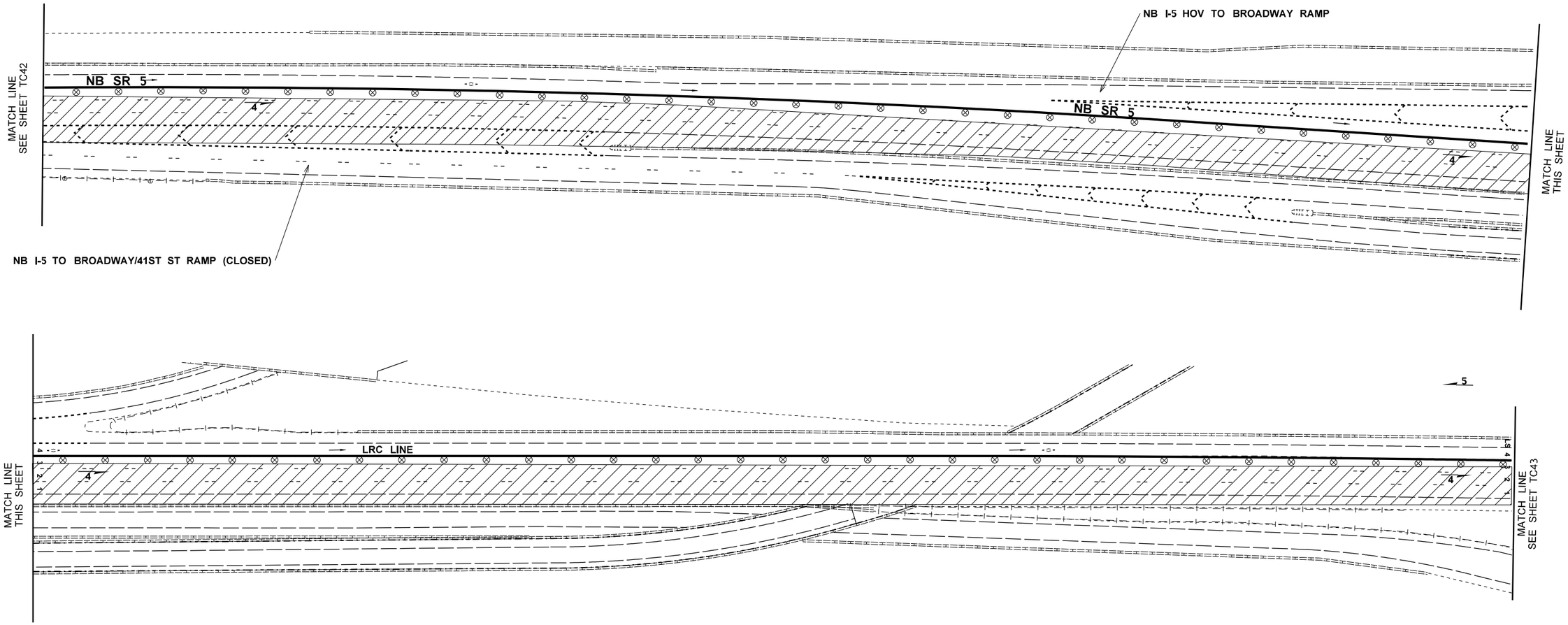
Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 46
PLAN REF NO TC41
SHEET 180 OF 240 SHEETS



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TRAFFIC CONTROL PLAN
STAGE 1A

0 50 100
SCALE IN FEET

LEGEND

- TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TA — TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_1A.dgn
TIME	12:02:50 PM
DATE	11/30/2021
PLOTTED BY	haukapa
DESIGNED BY	B. KOSA
ENTERED BY	B. KOSA
CHECKED BY	L. CLAYWELL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	M. COTTEN

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
21A012		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX — DATE

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Washington State Department of Transportation

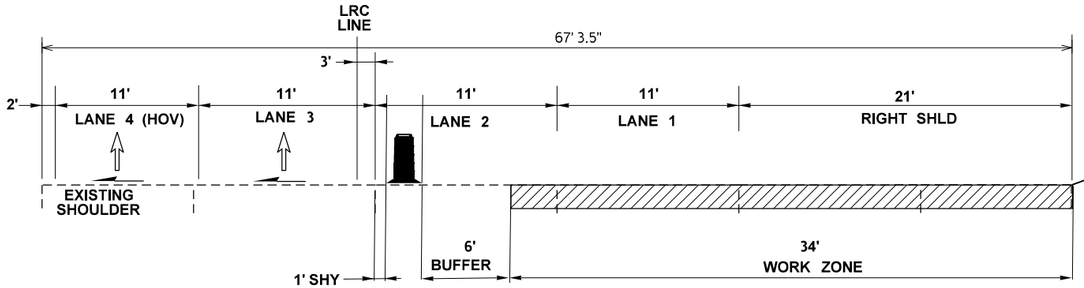
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 47

PLAN REF NO
TC42

SHEET
181
OF
240
SHEETS



DAY SHIFT

SECTION (B)

SEE TW1-TW9 FOR TEMPORARY LANE SHIFT
SEE BA1 FOR EXISTING LANE CONFIGURATION

NOTES

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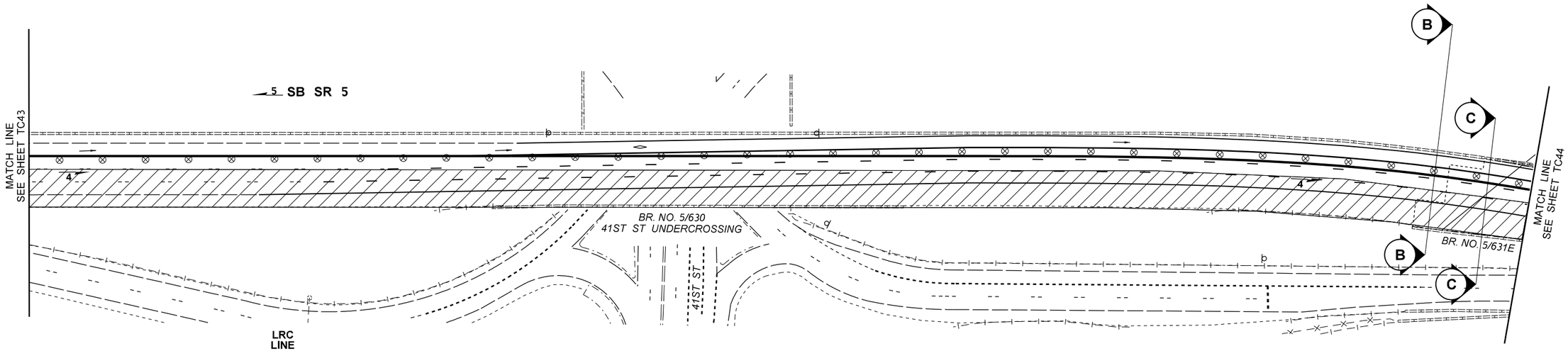
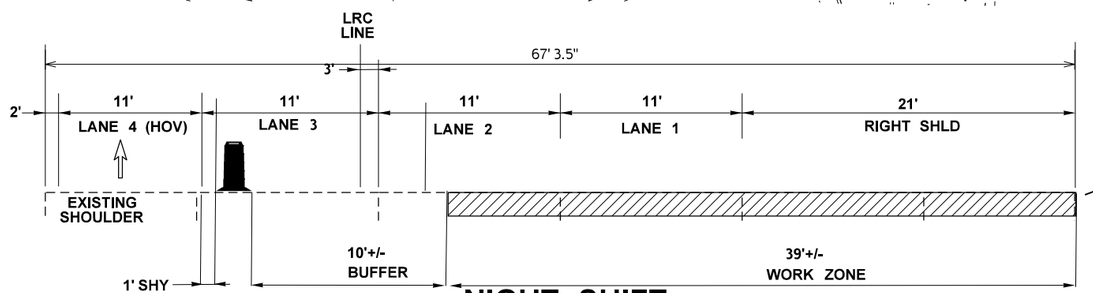




NIGHT SHIFT

SECTION (C)

SEE TW1-TW9 FOR TEMPORARY LANE SHIFT
SEE BA1 FOR EXISTING LANE CONFIRGURATION

0 50 100
SCALE IN FEET

TRAFFIC CONTROL PLAN
STAGE 1A

LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_1A.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	12:03:09 PM						
DATE	11/30/2021						
PLOTTED BY	haukapa						
DESIGNED BY	B. KOSA				JOB NUMBER 21A012		
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

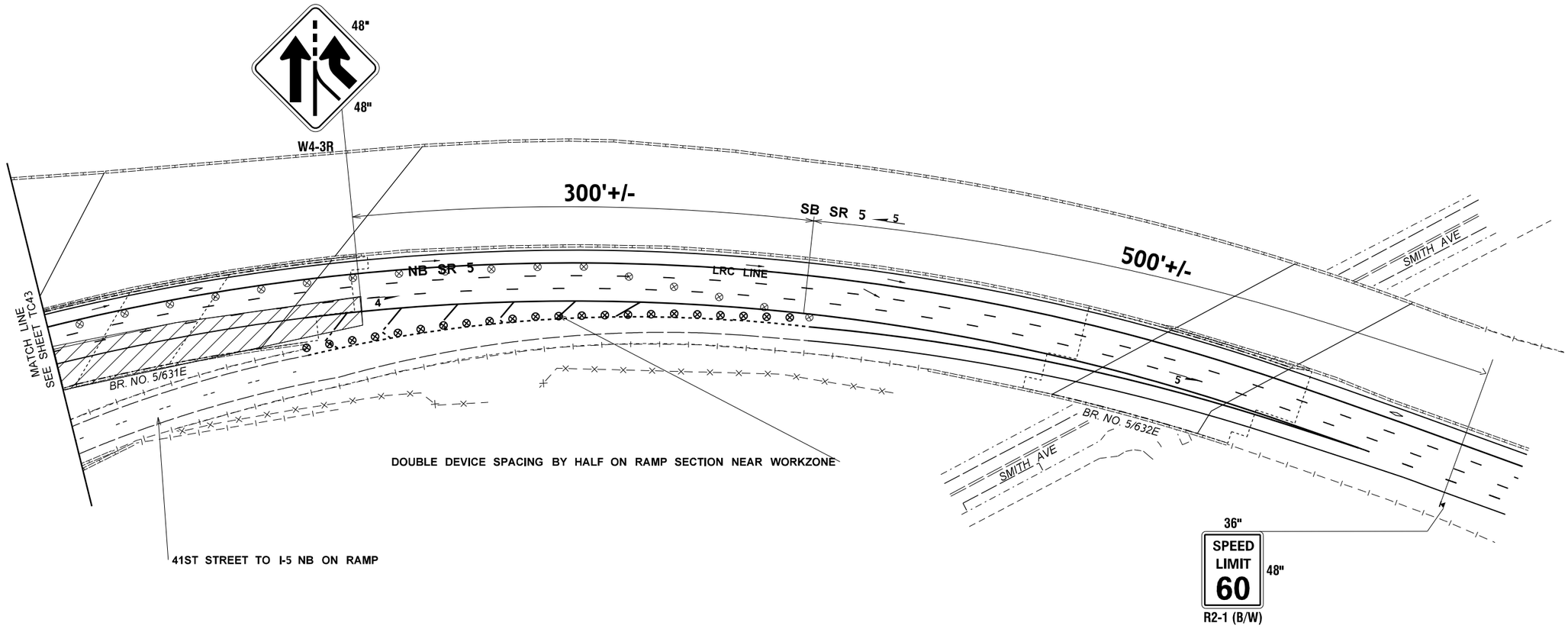
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 48

PLAN REF NO TC43

SHEET 182 OF 240 SHEETS



LEGEND

⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIAL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
TA	TRANSPORTABLE ATTENUATOR

NOTES

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7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

TRAFFIC CONTROL PLAN
STAGE 1A

0 50 100
SCALE IN FEET

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_1A.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	12:03:27 PM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

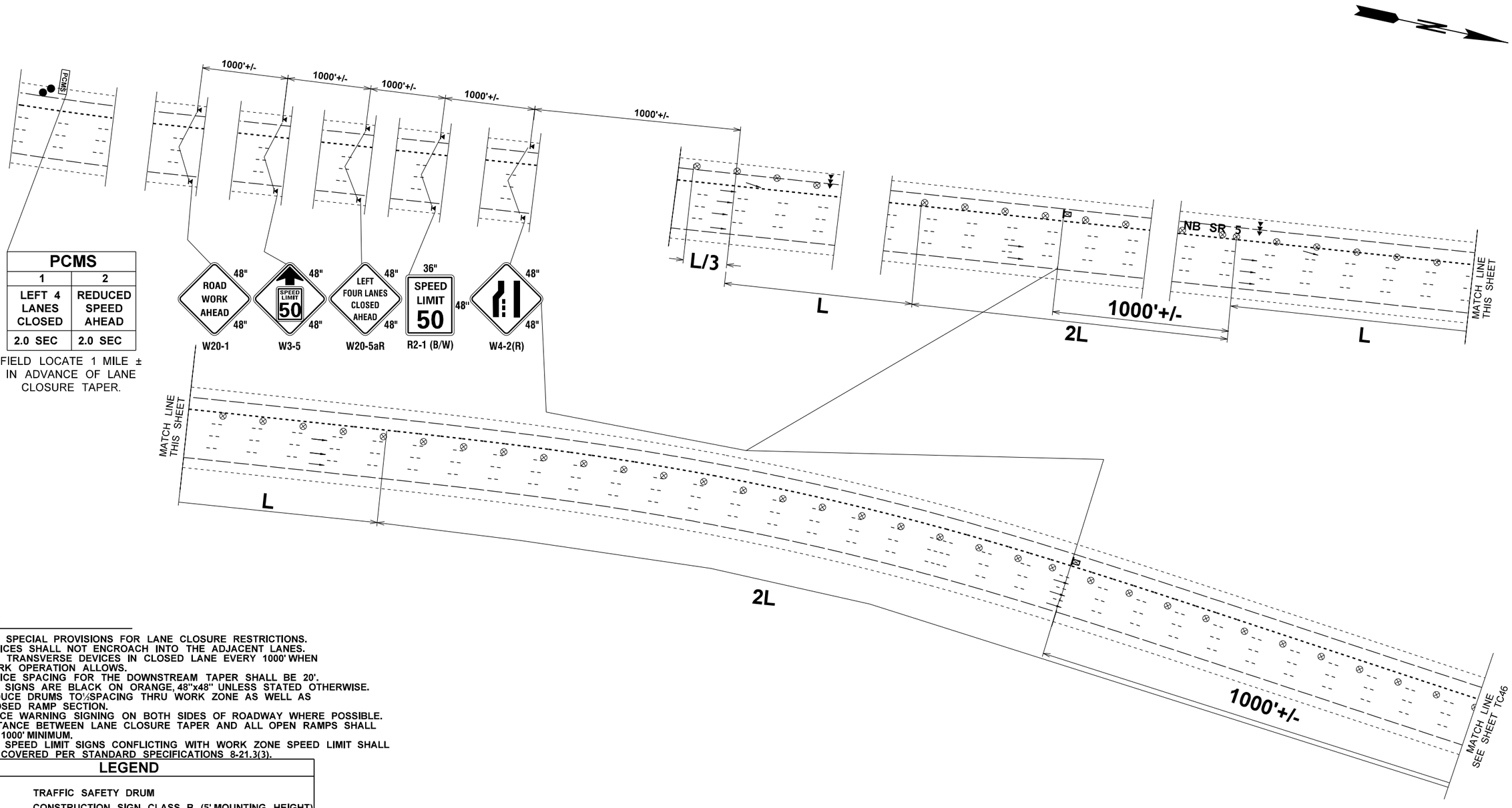
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 49

PLAN REF NO
TC44

SHEET
183
OF
240
SHEETS



PCMS	
1	2
LEFT 4 LANES CLOSED	REDUCED SPEED AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE TAPER.

NOTES

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LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

TRAFFIC CONTROL PLAN STAGE 1B

0 50 100
SCALE IN FEET

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_1B.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	12:36:58 PM						
DATE	11/30/2021				JOB NUMBER 21A012		
PLOTTED BY	haukapa						
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

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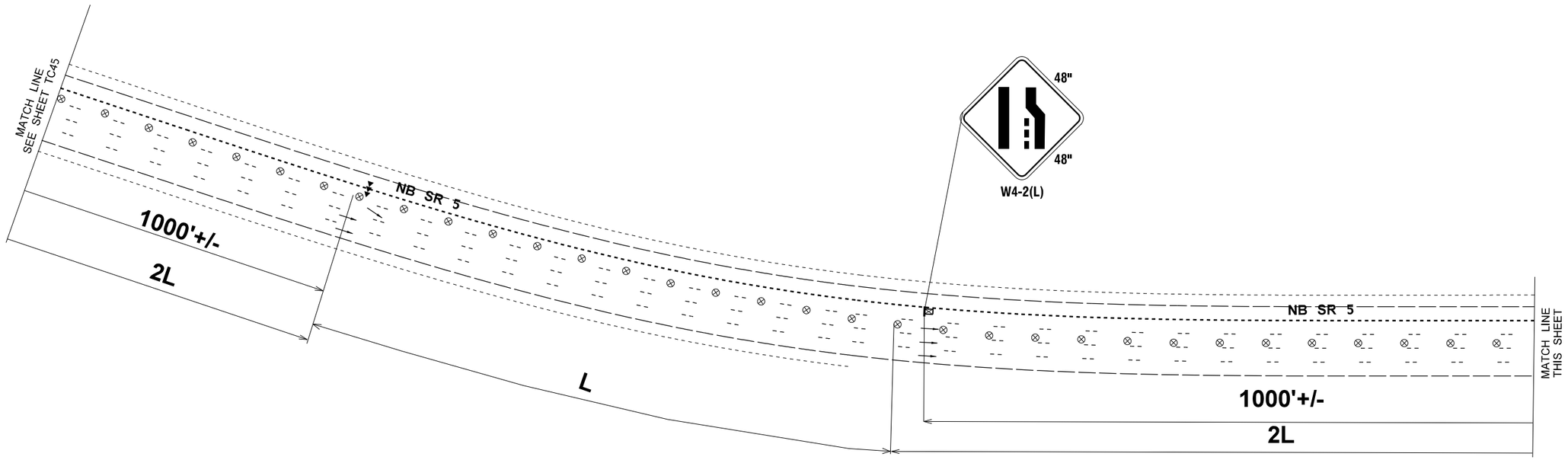
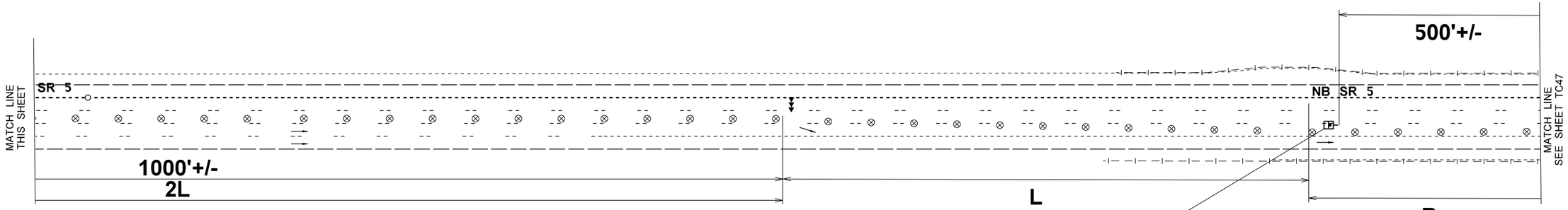
Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 50
PLAN REF NO TC45
SHEET 184 OF 240 SHEETS





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TRAFFIC CONTROL PLAN
STAGE 1B

0 50 100
SCALE IN FEET

36"
R2-1 (B/W) — SPEED LIMIT 50 — 48"
SPECIAL (B/W) — YOUR SPEED XX — 12"
LED DISPLAY (Y/B)

COVER ALL CONFLICTING SPEED LIMIT SIGNS

SPEED LIMIT 60

LEGEND

- TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish RIver_PCCP & Expansion Joint Rehab\CAD FIles\PS&E\XL6261_PS_TC2_1B.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	12:37:29 PM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

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Washington State Department of Transportation

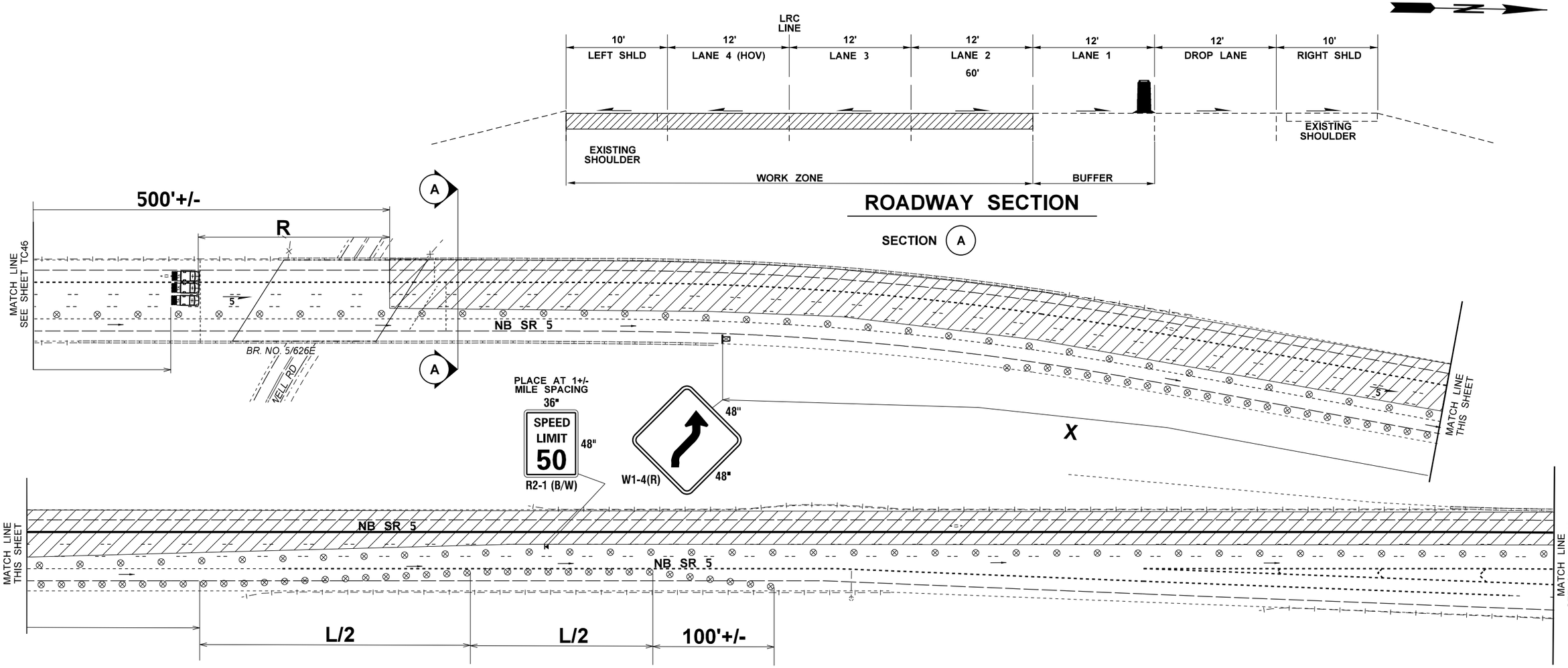
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 51

PLAN REF NO
TC46

SHEET
185
OF
240
SHEETS



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TRAFFIC CONTROL PLAN STAGE 1B

0 50 100
SCALE IN FEET

LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TA TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish RIver_PCCP & Expansion Joint Rehab\CAD FIles\PS&E\XL6261_PS_TC2_1B.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	12:37:47 PM						
DATE	11/30/2021						
PLOTTED BY	haukapa				JOB NUMBER 21A012		
DESIGNED BY	B. KOSA						
ENTERED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

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Washington State Department of Transportation

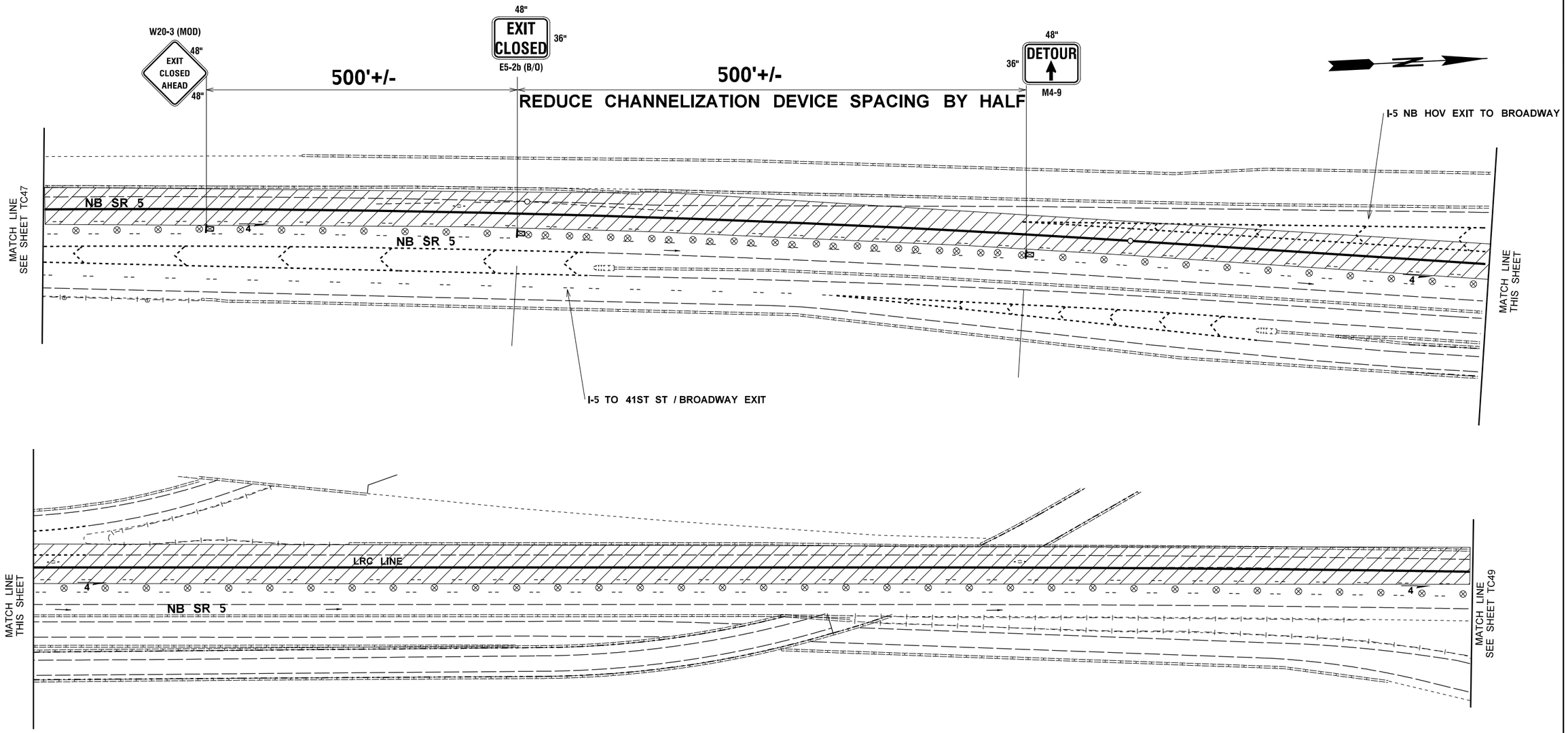
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 52

PLAN REF NO TC47

SHEET 186 OF 240 SHEETS



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TRAFFIC CONTROL PLAN
STAGE 1B

0 50 100
SCALE IN FEET

LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- ▸▸▸ SEQUENTIAL ARROW SIGN
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TA TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_1B.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	12:38:05 PM						
DATE	11/30/2021				JOB NUMBER 21A012		
PLOTTED BY	haukapa						
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

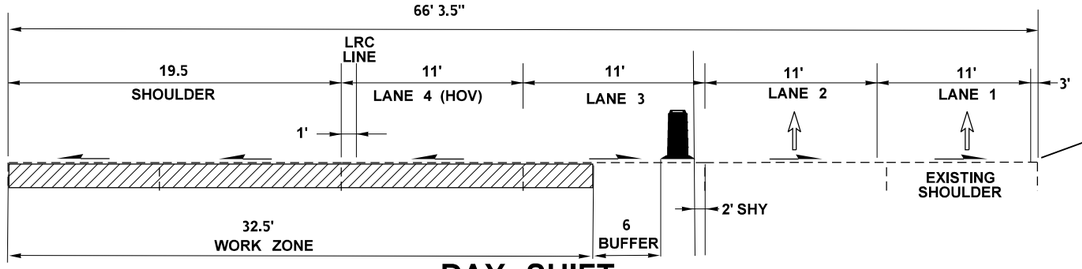
DATE
P.E. STAMP BOX

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 53
PLAN REF NO TC48
SHEET 187 OF 240 SHEETS



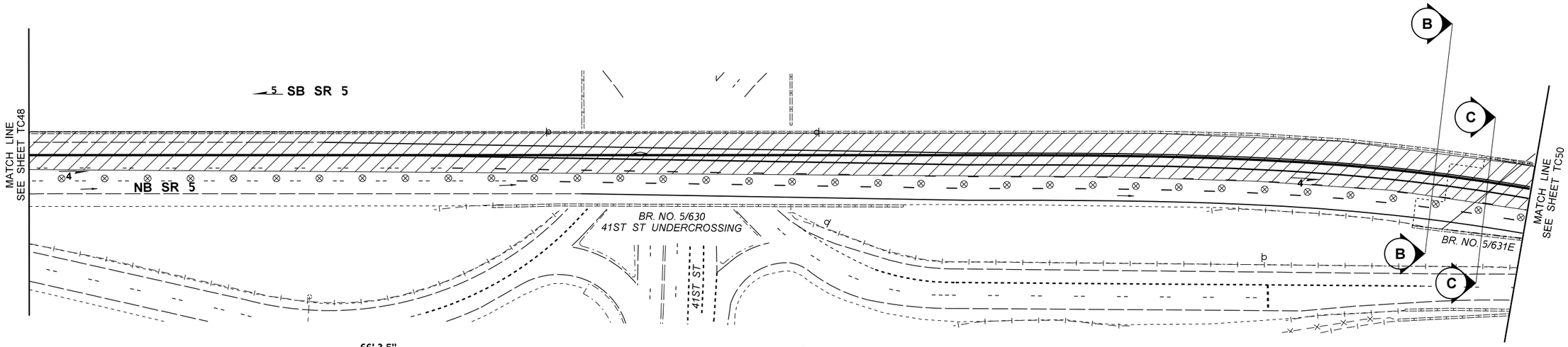
DAY SHIFT

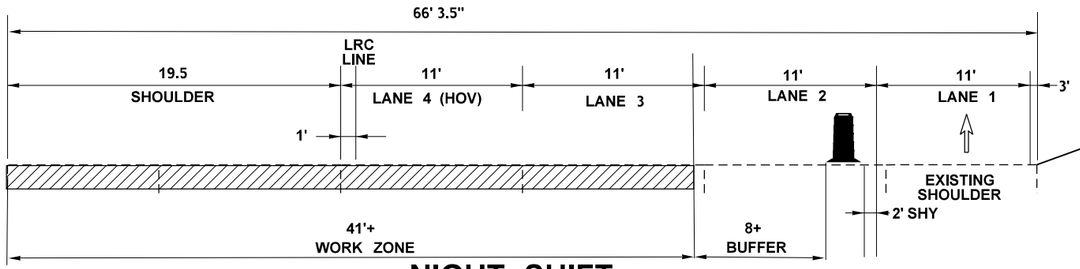
SECTION (B)

SEE TE1-TE6 FOR TEMPORARY LANE SHIFT
SEE BA1 FOR EXISTING LANE CONFIGURATION

NOTES

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO½SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.
9. ALL SPEED LIMIT SIGNS CONFLICTING WITH WORK ZONE SPEED LIMIT SHALL BE COVERED PER STANDARD SPECIFICATIONS 8-21.3(3).





NIGHT SHIFT

SECTION (C)

SEE TE1-TE6 FOR TEMPORARY LANE SHIFT
SEE BA1 FOR EXISTING LANE CONFIRGURATION

0 50 100
SCALE IN FEET

LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

TRAFFIC CONTROL PLAN
STAGE 1B

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_1B.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	12:38:25 PM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

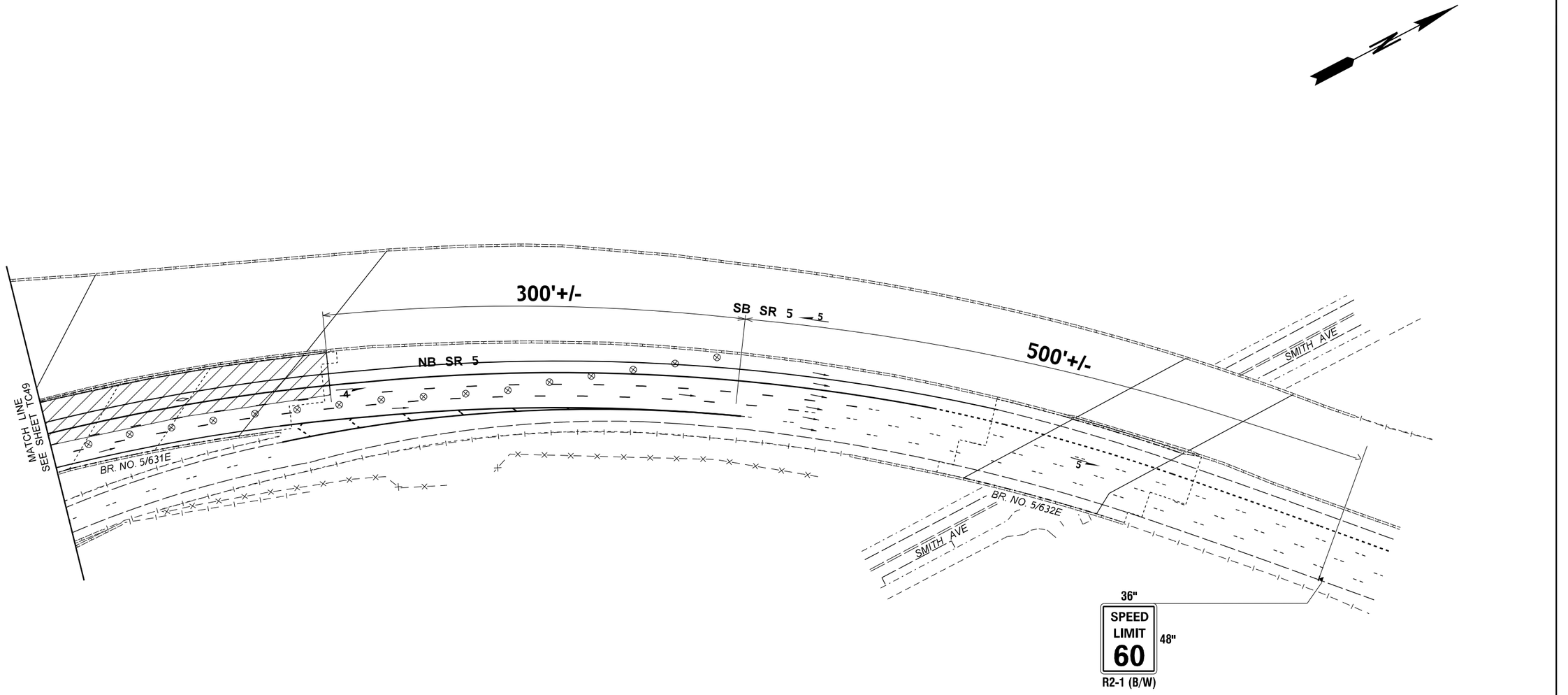
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 54

PLAN REF NO
TC49

SHEET
188
OF
240
SHEETS



NOTES

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2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
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7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

TRAFFIC CONTROL PLAN
STAGE 1B

0 50 100
SCALE IN FEET

LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_1B.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	12:38:59 PM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

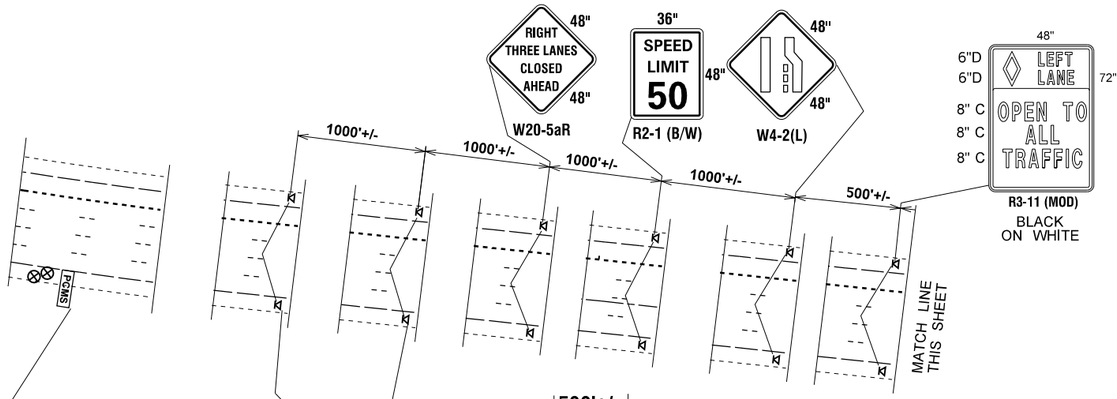
P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

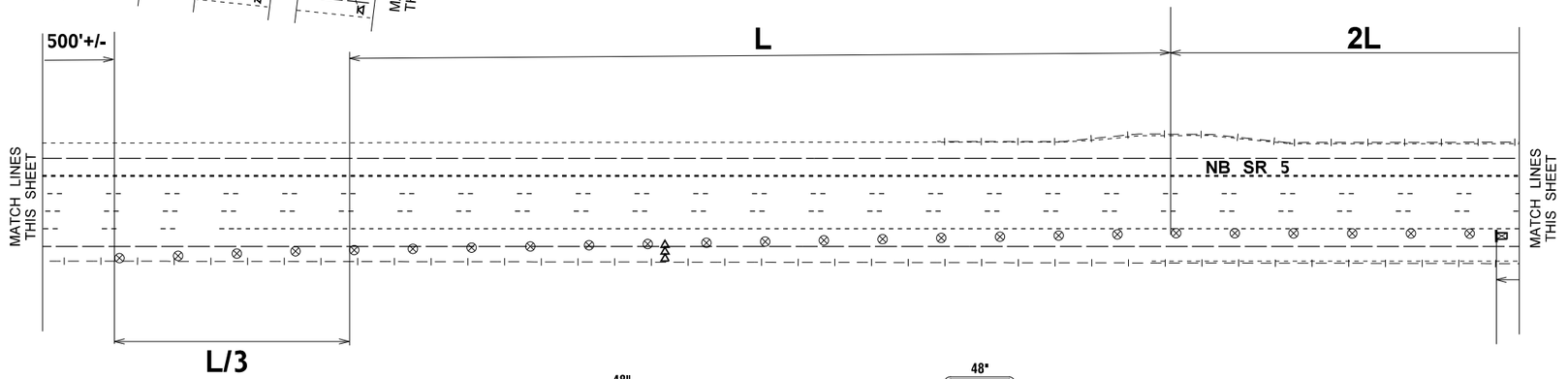
TRAFFIC CONTROL PLAN

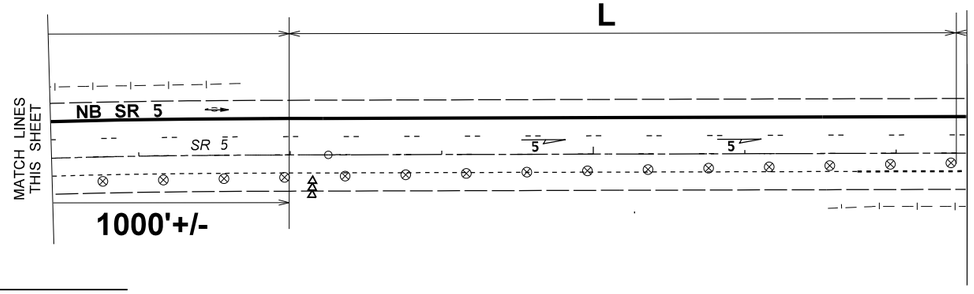
Plot 55
PLAN REF NO TC50
SHEET 189 OF 240 SHEETS

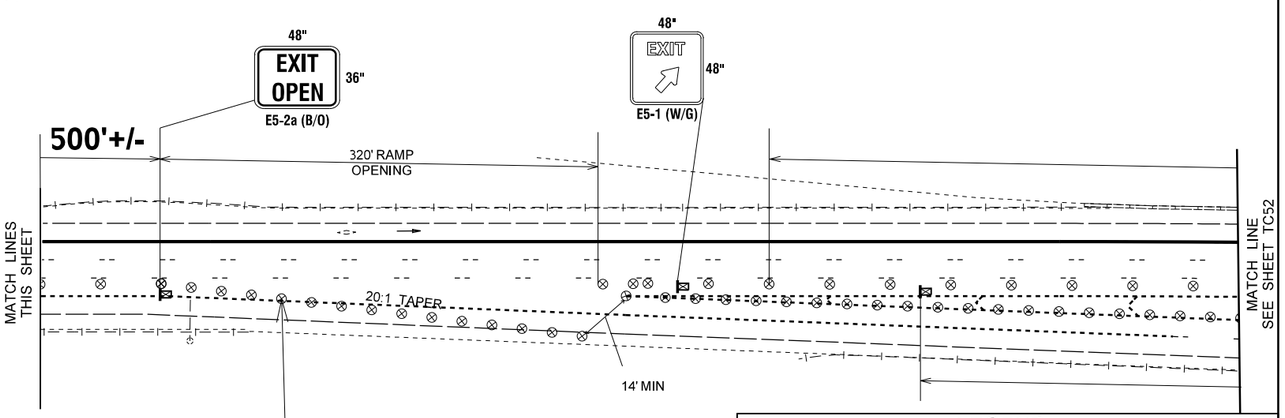


PCMS	
1	2
RIGHT 3 LANES CLOSED	REDUCED SPEED AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE TAPER.







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9. ALL SPEED LIMIT SIGNS CONFLICTING WITH WORK ZONE SPEED LIMIT SHALL BE COVERED PER STANDARD SPECIFICATIONS 8-21.3(3).

REDUCE CHANNELIZATION DEVICES BY HALF THROUGH LENGTH OF EXIT RAMP

LEGEND	
⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIAL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
	TRANSPORTABLE ATTENUATOR

TRAFFIC CONTROL PLAN STAGE 2A

0 50 100
SCALE IN FEET

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_2A.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	12:41:02 PM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

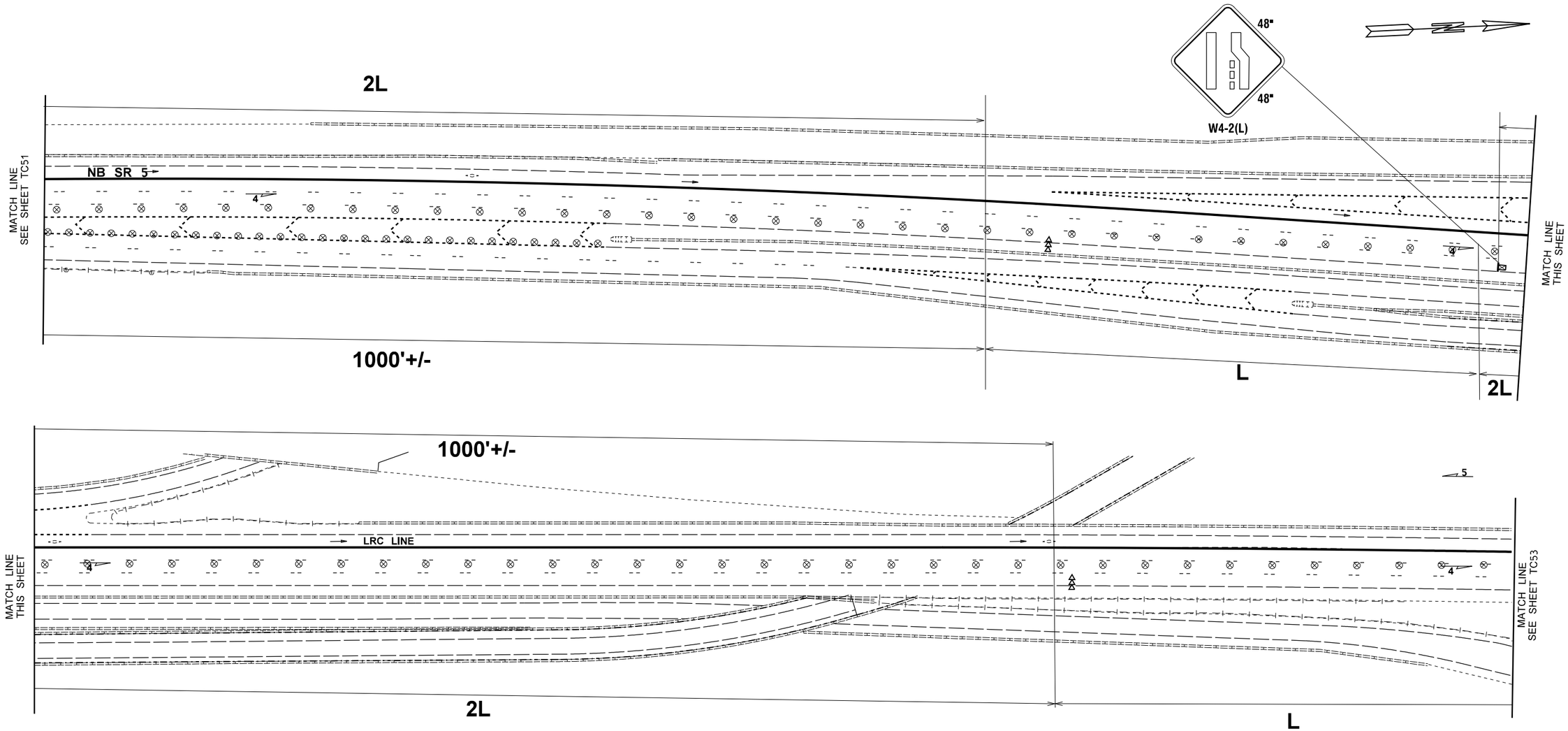
P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 56
PLAN REF NO TC51
SHEET 190 OF 240 SHEETS



NOTES

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TRAFFIC CONTROL PLAN
STAGE 2A

0 50 100
SCALE IN FEET

LEGEND

- TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TA — TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_2A.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	12:41:21 PM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

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Washington State Department of Transportation

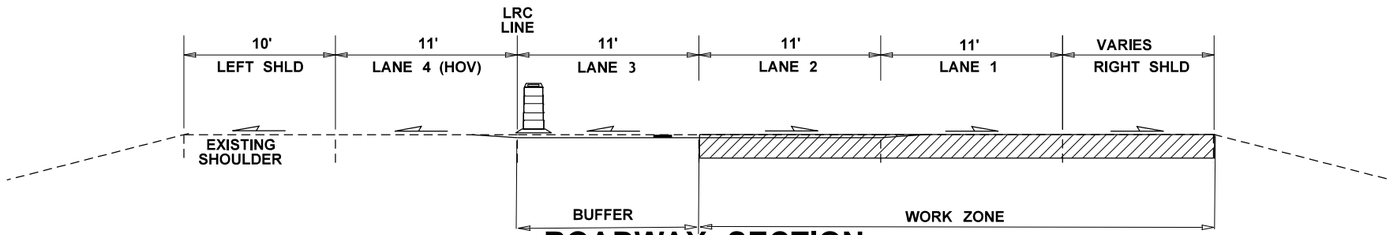
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 57

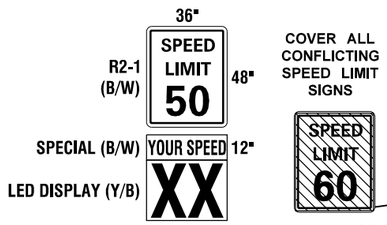
PLAN REF NO
TC52

SHEET
191
OF
240
SHEETS



ROADWAY SECTION

SECTION (A)



COVER ALL CONFLICTING SPEED LIMIT SIGNS

NOTES

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TRAFFIC CONTROL PLAN
STAGE 2A

LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_2A.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	12:41:41 PM						
DATE	11/30/2021				JOB NUMBER 21A012		
PLOTTED BY	haukapa						
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

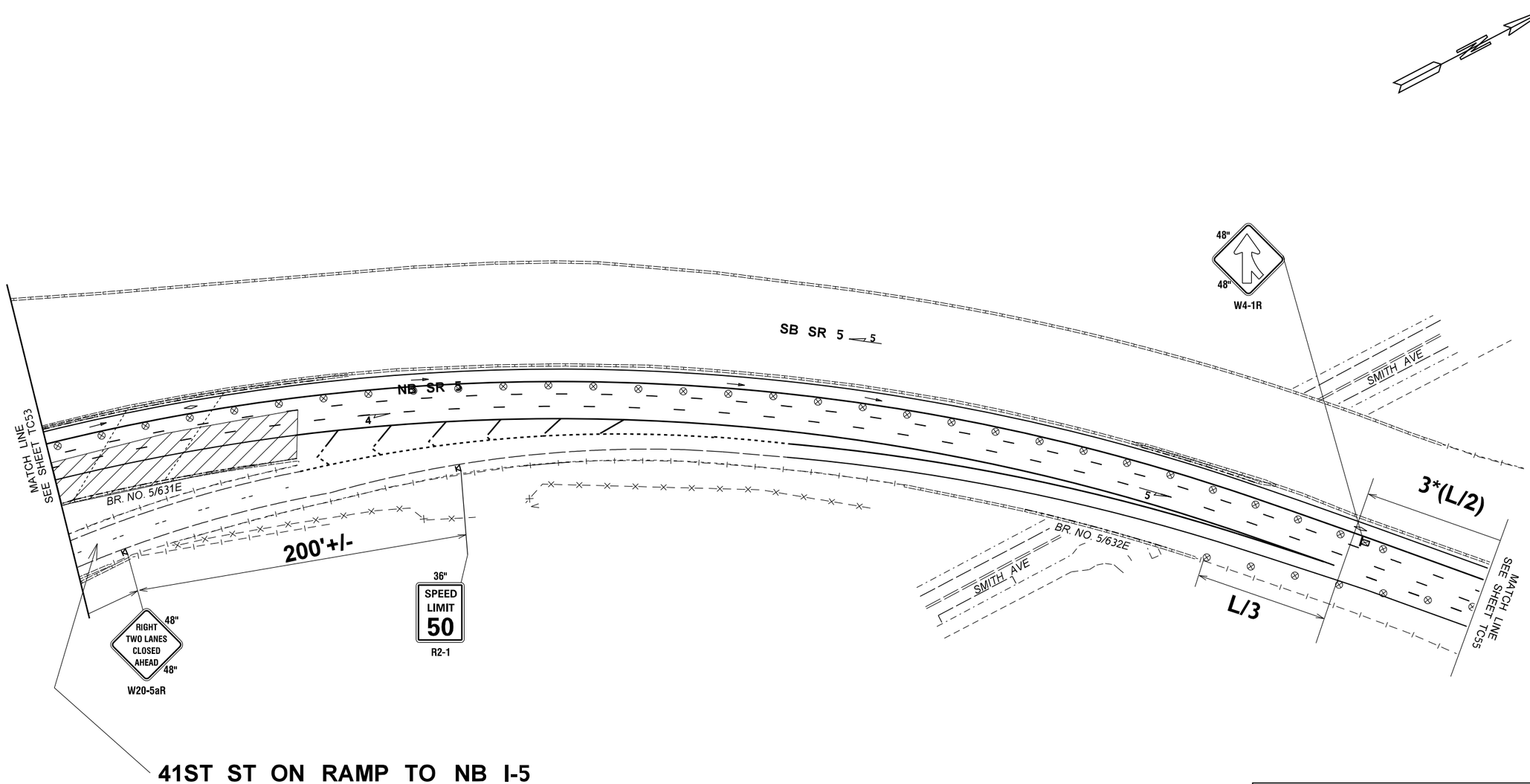
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 58

PLAN REF NO TC53

SHEET 192 OF 240 SHEETS



41ST ST ON RAMP TO NB I-5

NOTES

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TRAFFIC CONTROL PLAN
STAGE 2A

0 50 100
SCALE IN FEET

LEGEND

- TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_2A.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	12:42:01 PM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

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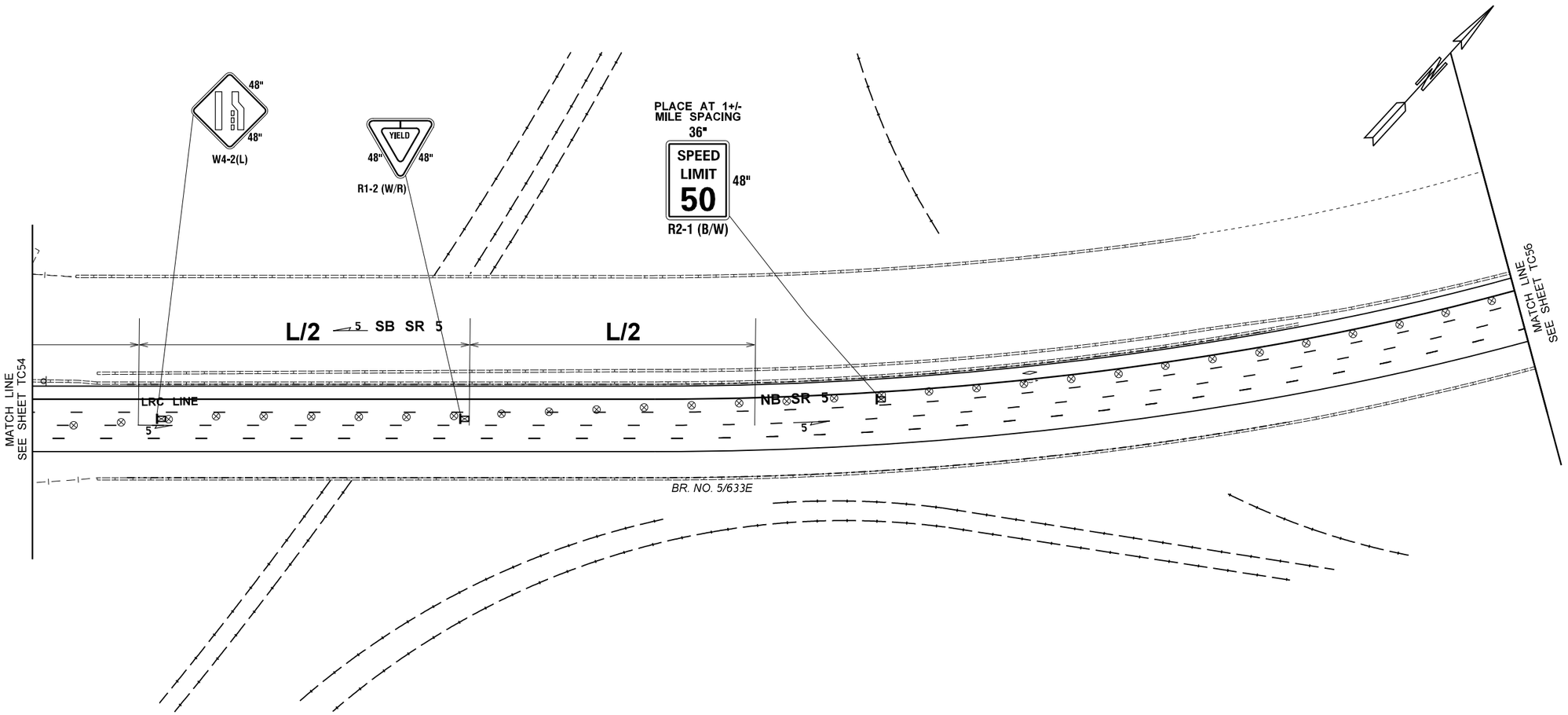
Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 59
PLAN REF NO TC54
SHEET 193 OF 240 SHEETS



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TRAFFIC CONTROL PLAN
STAGE 2A

0 50 100
SCALE IN FEET

LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_2A.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:00:33 AM						
DATE	11/30/2021				JOB NUMBER 21A012		
PLOTTED BY	haukapa						
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

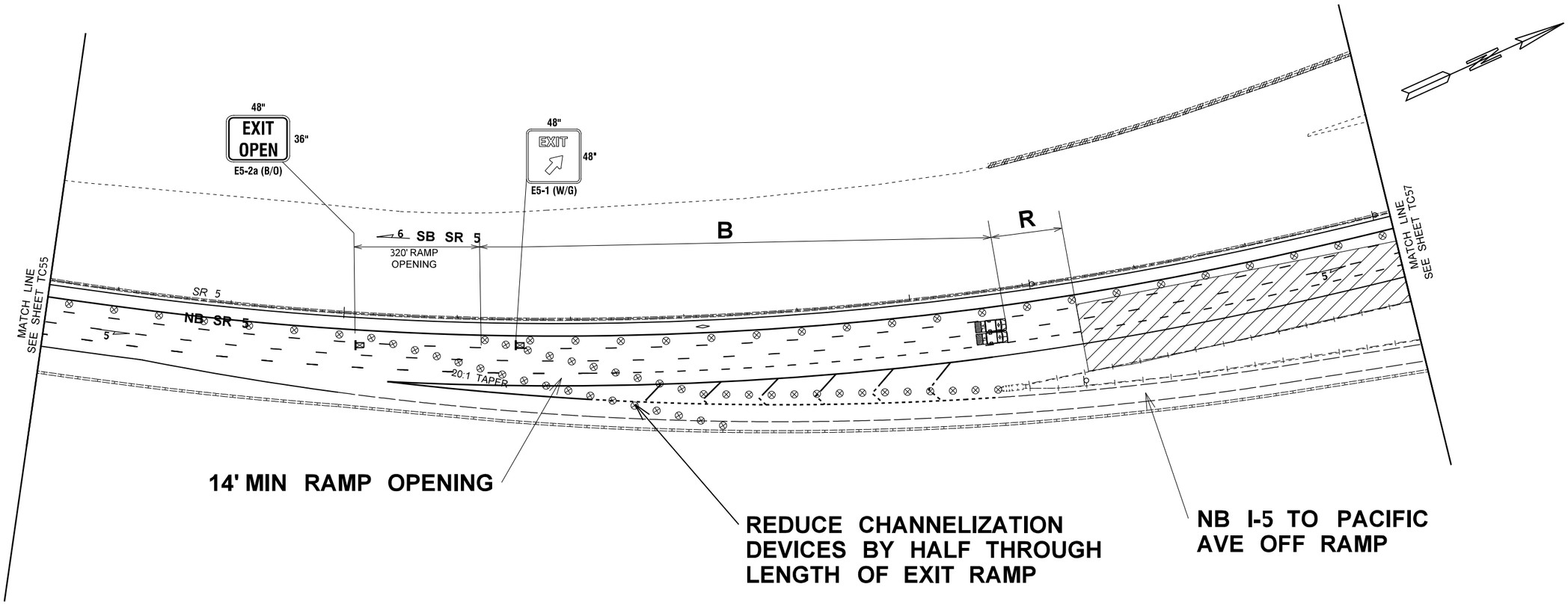
DATE
P.E. STAMP BOX

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 60
PLAN REF NO TC55
SHEET 194 OF 240 SHEETS



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TRAFFIC CONTROL PLAN
STAGE 2A

0 50 100
SCALE IN FEET

LEGEND	
⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIAL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
	TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_2A.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	Plot 61
TIME	9:01:08 AM							PLAN REF NO TC56
DATE	11/30/2021				JOB NUMBER 21A012			
PLOTTED BY	haukapa							SHEET 195 OF 240 SHEETS
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.	
ENTERED BY	B. KOSA							
CHECKED BY	L. CLAYWELL							
PROJ. ENGR.	A. EMERSON							
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY				

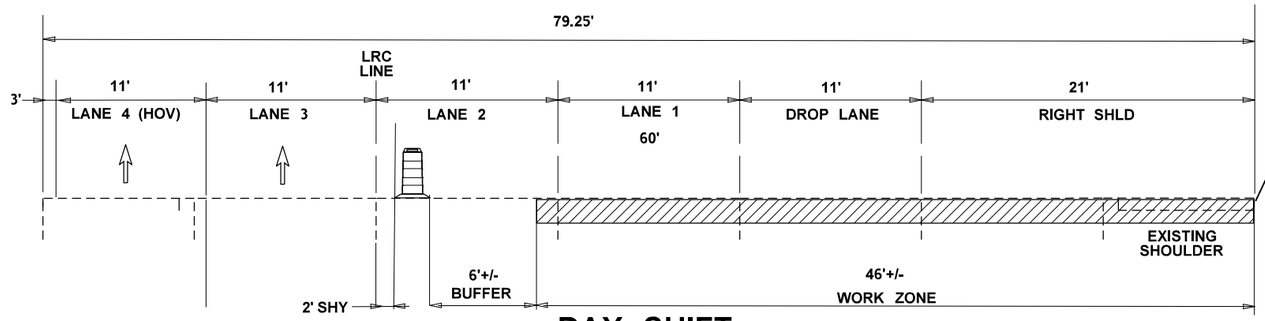
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

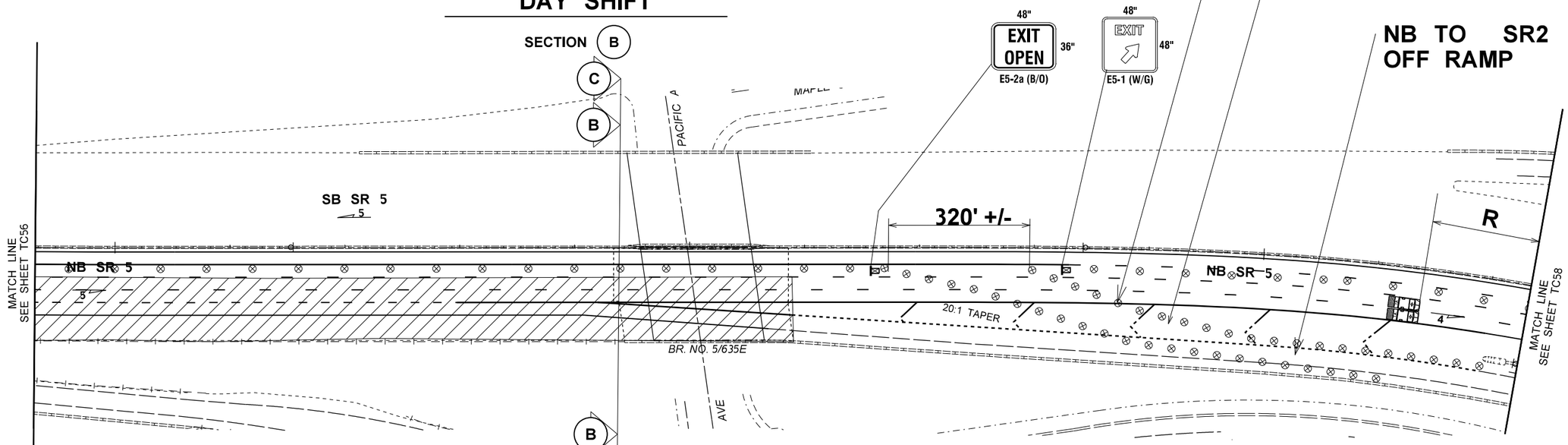
I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

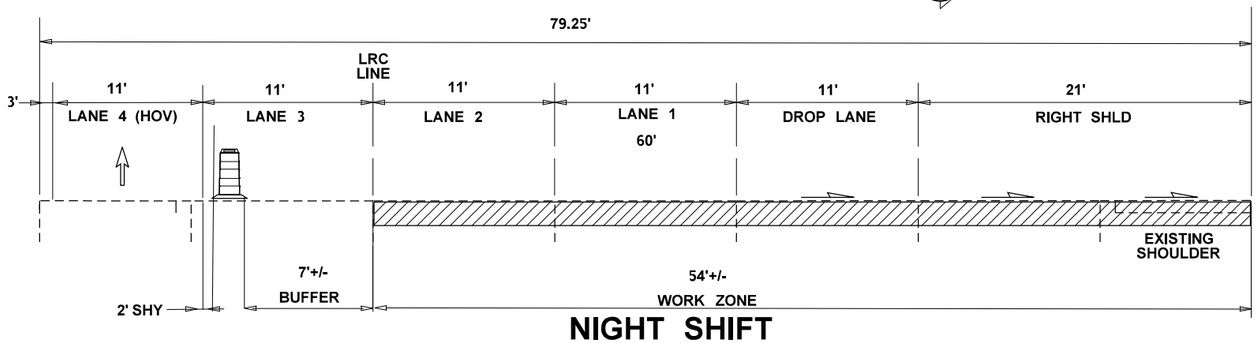
TRAFFIC CONTROL PLAN



SEE TW1-TW9 FOR TEMPORARY LANE SHIFT
SEE BB1 FOR EXISTING LANE CONFIGURATION

DAY SHIFT





NIGHT SHIFT

SECTION C

SEE TW1-TW9 FOR TEMPORARY LANE SHIFT
SEE BB1 FOR EXISTING LANE CONFIGURATION

TRAFFIC CONTROL PLAN STAGE 2A

0 50 100
SCALE IN FEET

LEGEND

⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIAL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
	TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_2A.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	9:01:31 AM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5

E SUNSET WAY VIC & NB LOWELL RD VIC

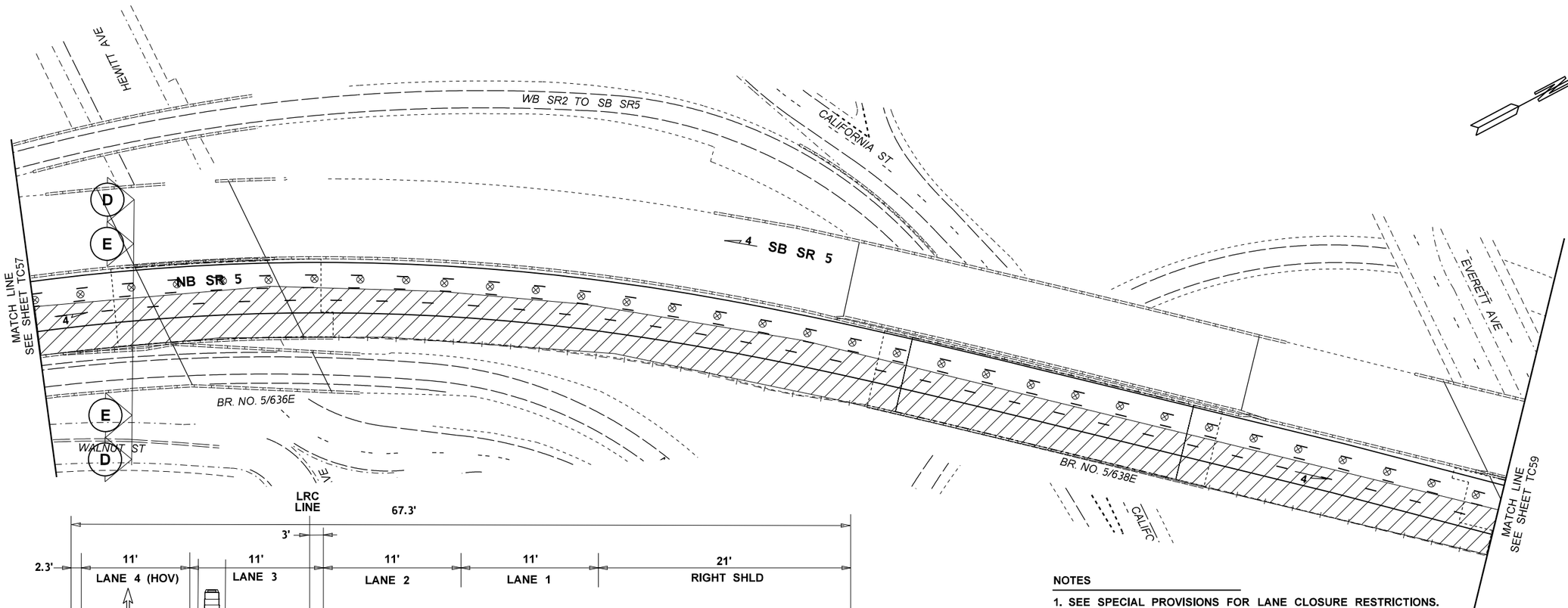
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 62

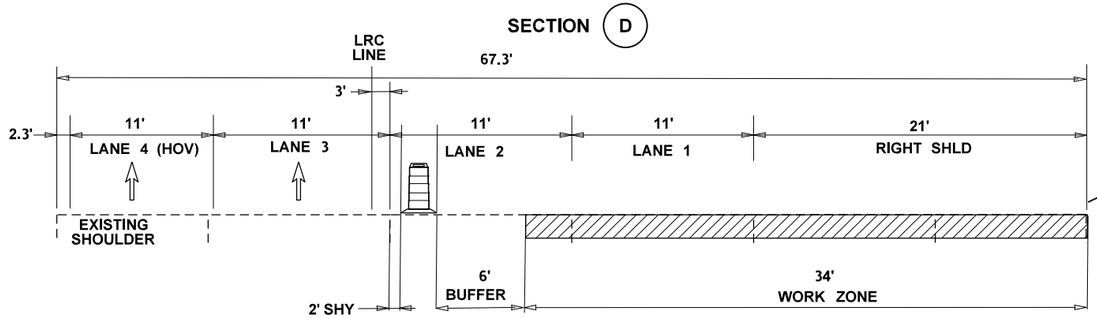
PLAN REF NO TC57

SHEET 196 OF 240 SHEETS



NIGHT SHIFT

SECTION (D)



DAY SHIFT

SECTION (E)

SEE TW1-TW9 FOR TEMPORARY LANE SHIFT
SEE BC1 & BD1 FOR EXISTING LANE CONFIGURATION

NOTES

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO ½ SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

TRAFFIC CONTROL PLAN STAGE 2A

0 50 100
SCALE IN FEET

LEGEND

⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIAL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
	TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_2A.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:01:54 AM						
DATE	11/30/2021				JOB NUMBER 21A012		
PLOTTED BY	haukapa						
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-5

E SUNSET WAY VIC & NB LOWELL RD VIC

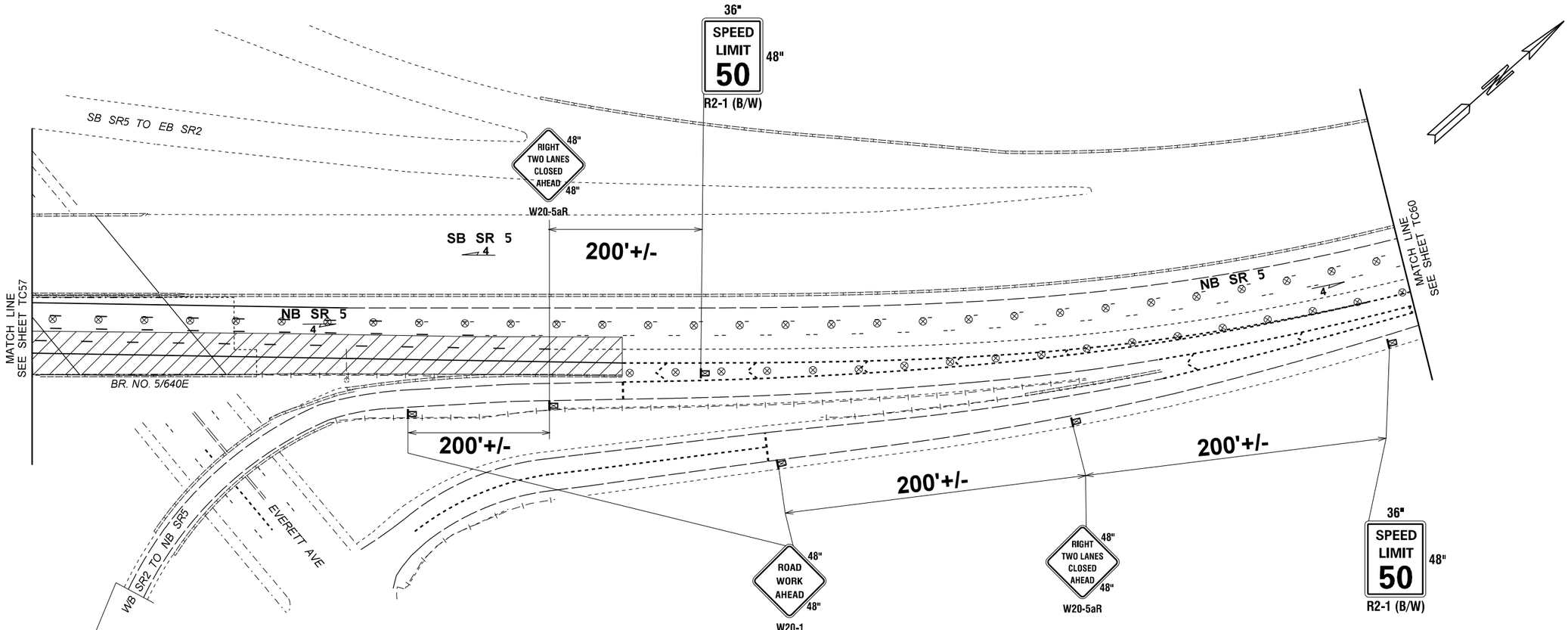
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 63

PLAN REF NO TC58

SHEET 197 OF 240 SHEETS



PCMS	
1	2
ROAD WORK AHEAD	REDUCED SPEED AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE .5 MILE IN ADVANCE OF ROAD WORK

0 50 100
SCALE IN FEET

TRAFFIC CONTROL PLAN STAGE 2A

LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

NOTES

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO½SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_2A.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:02:28 AM						
DATE	11/30/2021						
PLOTTED BY	haukapa				JOB NUMBER 21A012		
DESIGNED BY	B. KOSA						
ENTERED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

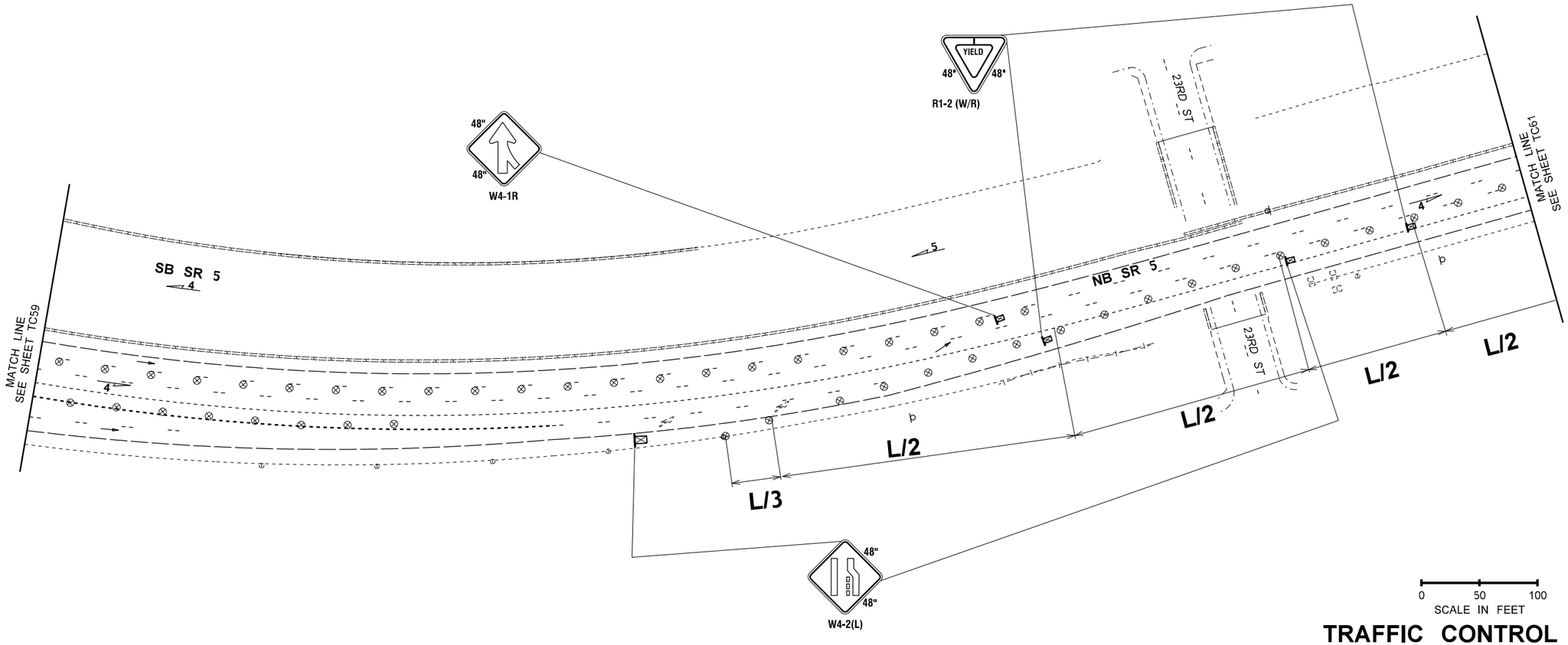
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 64

PLAN REF NO TC59

SHEET 198 OF 240 SHEETS



0 50 100
SCALE IN FEET

TRAFFIC CONTROL PLAN
STAGE 2A

LEGEND

⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIAL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
TA	TRANSPORTABLE ATTENUATOR

SECTION 2

NOTES

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
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8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_2A.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	9:02:56 AM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

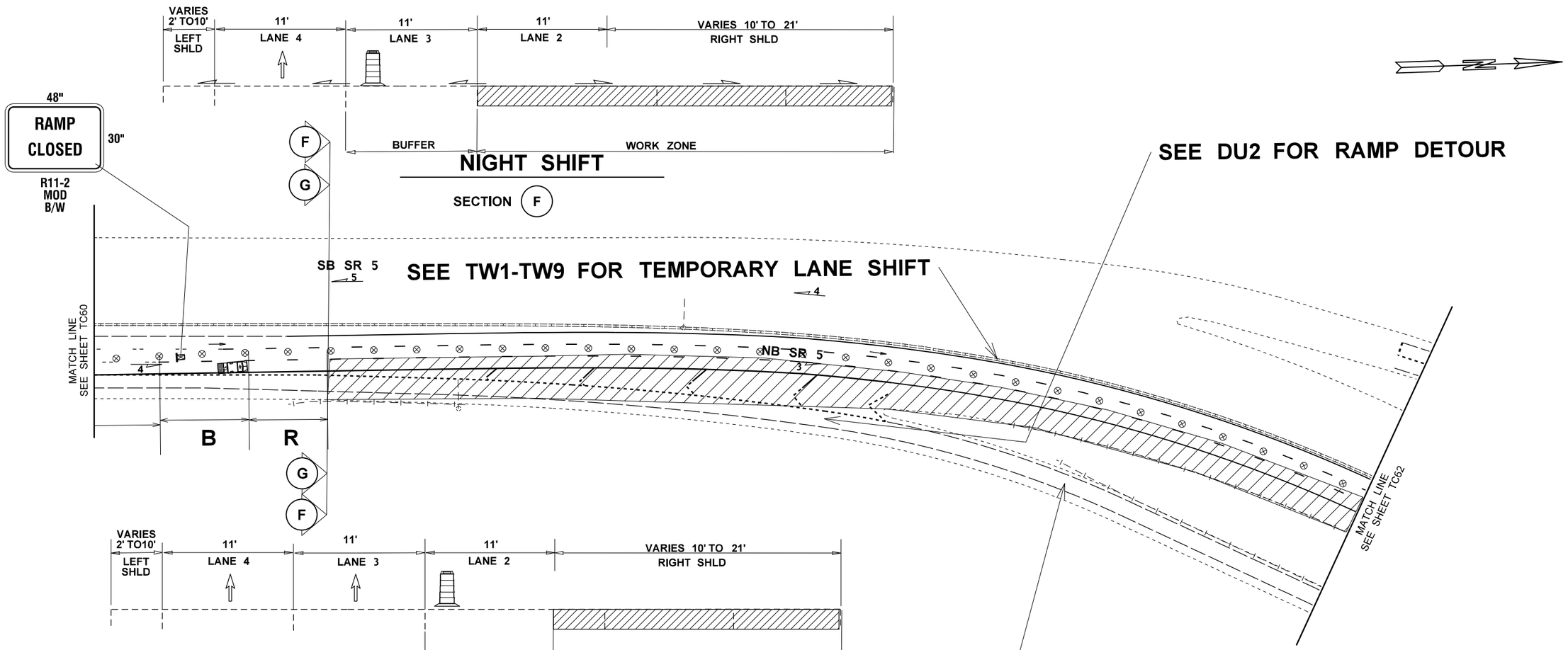
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 65

PLAN REF NO
TC60

SHEET
199
OF
240
SHEETS



TRAFFIC CONTROL PLAN STAGE 2A

NOTES

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
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7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

LEGEND

⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIAL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
	TRANSPORTABLE ATTENUATOR

0 50 100
SCALE IN FEET

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_2A.dgn				REGION NO.	STATE	FED.AID PROJ.NO.	Plot 66
TIME	9:04:06 AM				10	WASH		PLAN REF NO TC61
DATE	11/30/2021				JOB NUMBER 21A012			
PLOTTED BY	haukapa				CONTRACT NO.		LOCATION NO.	SHEET 200 OF 240 SHEETS
DESIGNED BY	B. KOSA							
ENTERED BY	B. KOSA							
CHECKED BY	L. CLAYWELL							
PROJ. ENGR.	A. EMERSON							
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY				

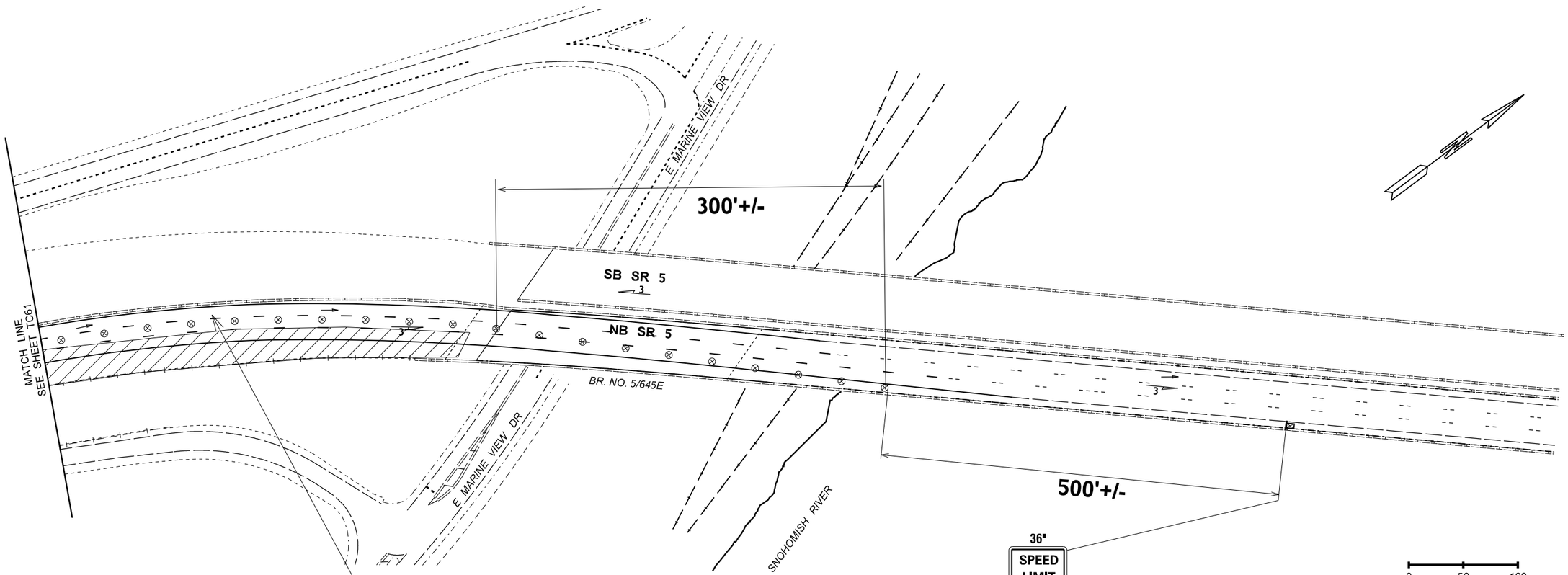
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN



TRAFFIC CONTROL PLAN
STAGE 2A

SEE TW1-TW9 FOR TEMPORARY LANE SHIFT

LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TA TRANSPORTABLE ATTENUATOR

NOTES

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
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8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_2A.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:04:31 AM						
DATE	11/30/2021						
PLOTTED BY	haukapa						
DESIGNED BY	B. KOSA				JOB NUMBER 21A012		
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

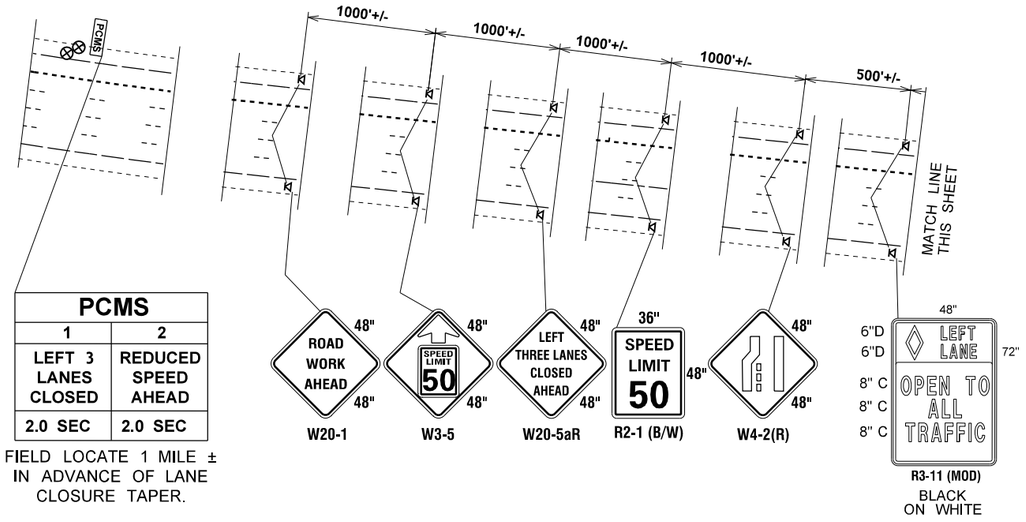
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 67

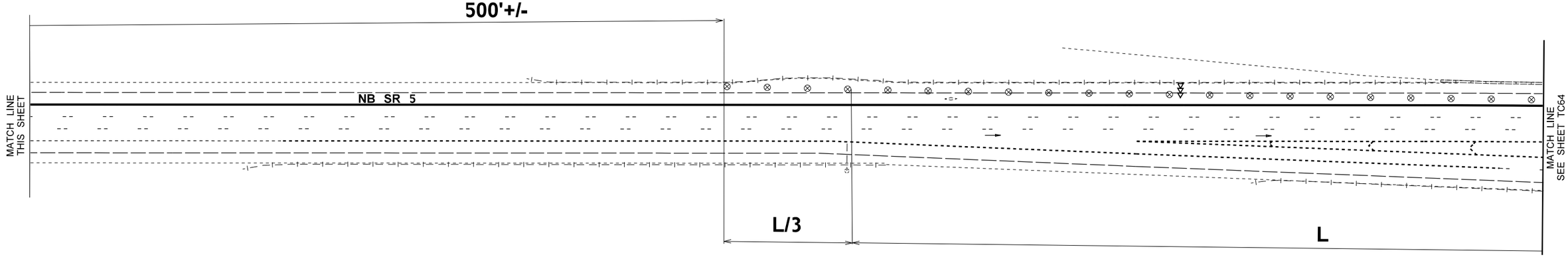
PLAN REF NO TC62

SHEET 201 OF 240 SHEETS



PCMS	
1	2
LEFT 3 LANES CLOSED	REDUCED SPEED AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE TAPER.



NOTES

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7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.
9. ALL SPEED LIMIT SIGNS CONFLICTING WITH WORK ZONE SPEED LIMIT SHALL BE COVERED PER STANDARD SPECIFICATIONS 8-21.3(3).

TRAFFIC CONTROL PLAN
STAGE 2B

0 50 100
SCALE IN FEET

LEGEND

- TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_2B.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	12:44:26 PM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

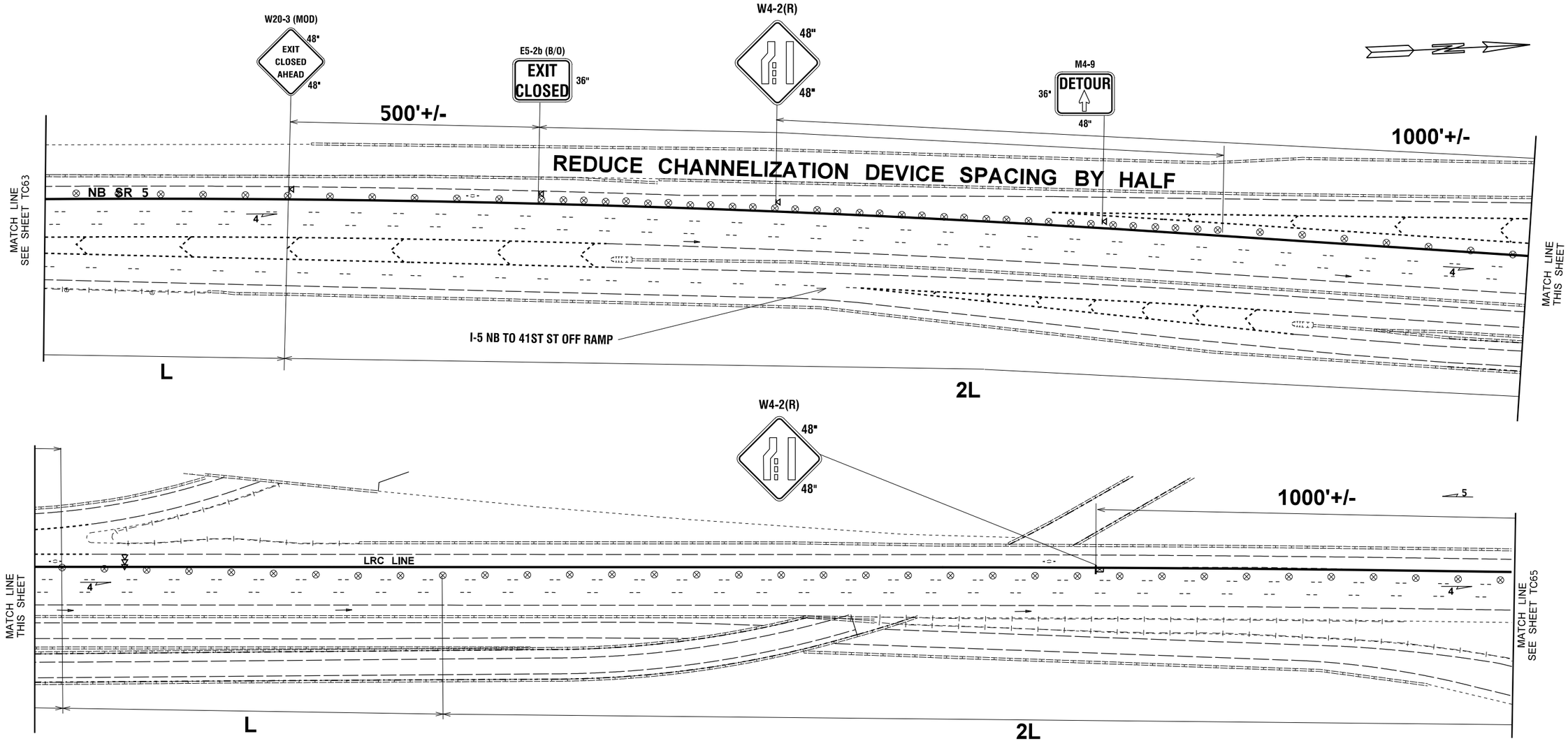
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 68

PLAN REF NO
TC63

SHEET
202
OF
240
SHEETS



NOTES

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TRAFFIC CONTROL PLAN
STAGE 2B

0 50 100
SCALE IN FEET

LEGEND

- TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_2B.dgn
TIME	12:44:49 PM
DATE	11/30/2021
PLOTTED BY	haukapa
DESIGNED BY	B. KOSA
ENTERED BY	B. KOSA
CHECKED BY	L. CLAYWELL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	M. COTTEN

REVISION	DATE	BY

REGION NO.	STATE
10	WASH

JOB NUMBER 21A012

CONTRACT NO.

FED.AID PROJ.NO.

LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

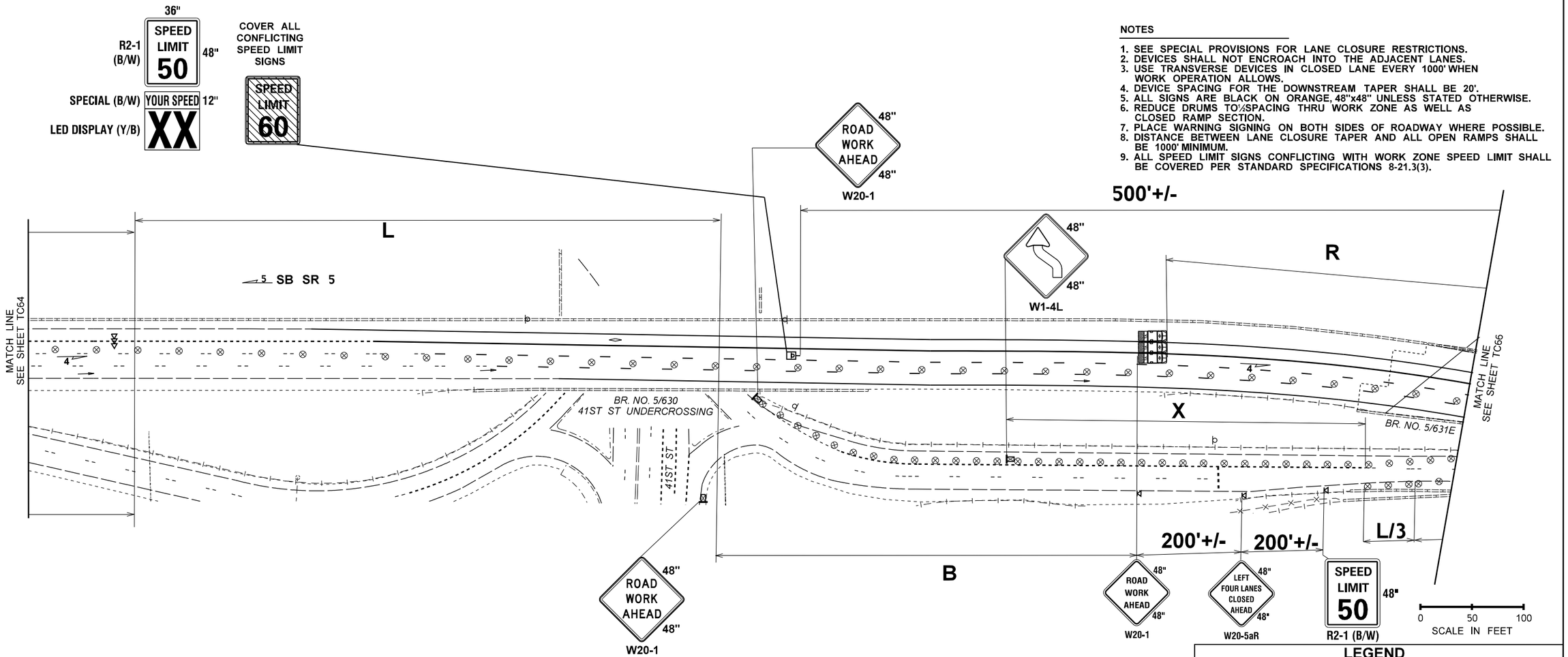
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 69

PLAN REF NO TC64

SHEET 203 OF 240 SHEETS



NOTES

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
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NOTES

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TRAFFIC CONTROL PLAN
STAGE 2B

LEGEND

- TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_2B.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	12:45:12 PM						
DATE	11/30/2021				JOB NUMBER 21A012		
PLOTTED BY	haukapa						
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

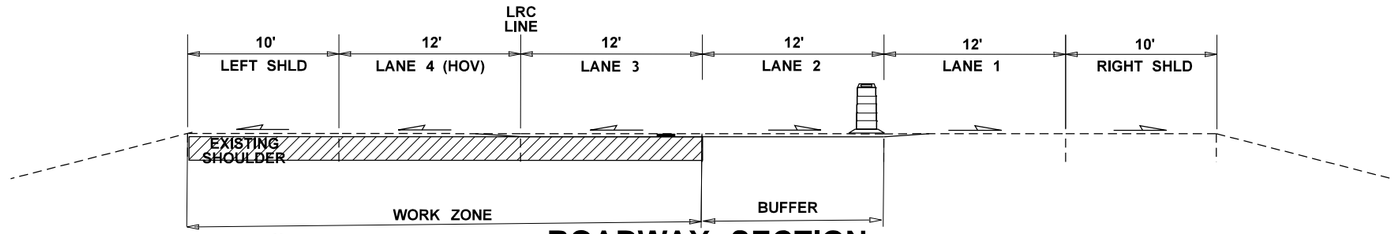
DATE
P.E. STAMP BOX

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

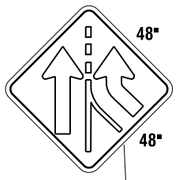
TRAFFIC CONTROL PLAN

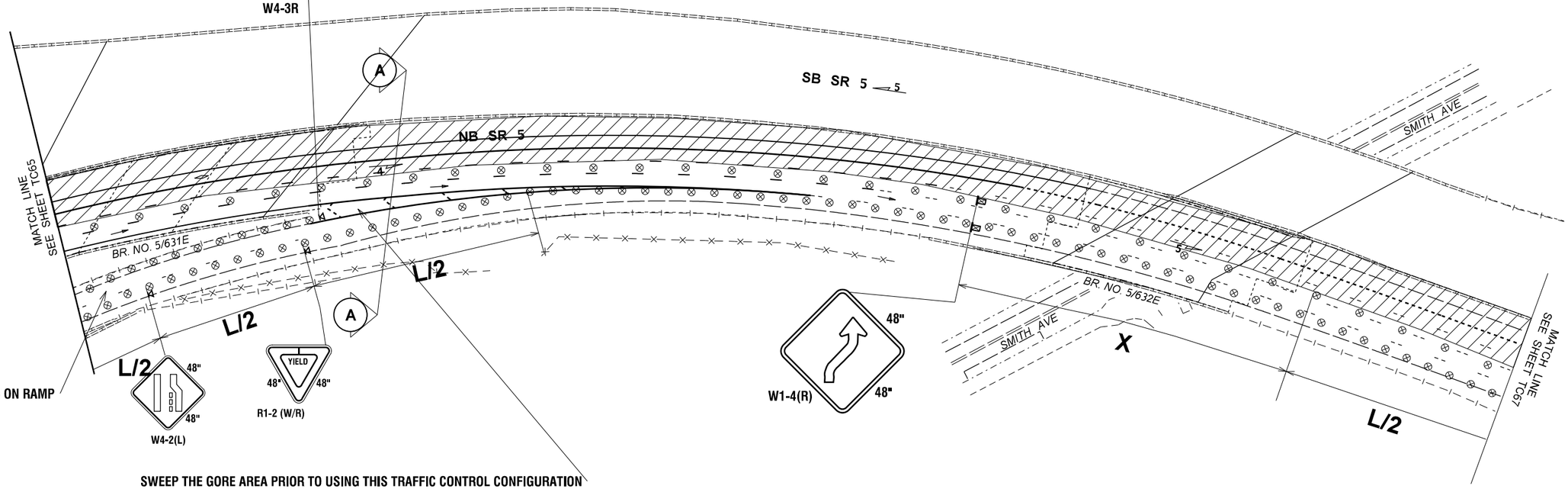
Plot 70
PLAN REF NO TC65
SHEET 204 OF 240 SHEETS



ROADWAY SECTION

SECTION (A)





SWEEP THE GORE AREA PRIOR TO USING THIS TRAFFIC CONTROL CONFIGURATION

NOTES

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
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6. REDUCE DRUMS TO½SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

TRAFFIC CONTROL PLAN
STAGE 2B

0 50 100
SCALE IN FEET

LEGEND	
⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIAL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
	TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_2B.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	12:45:30 PM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

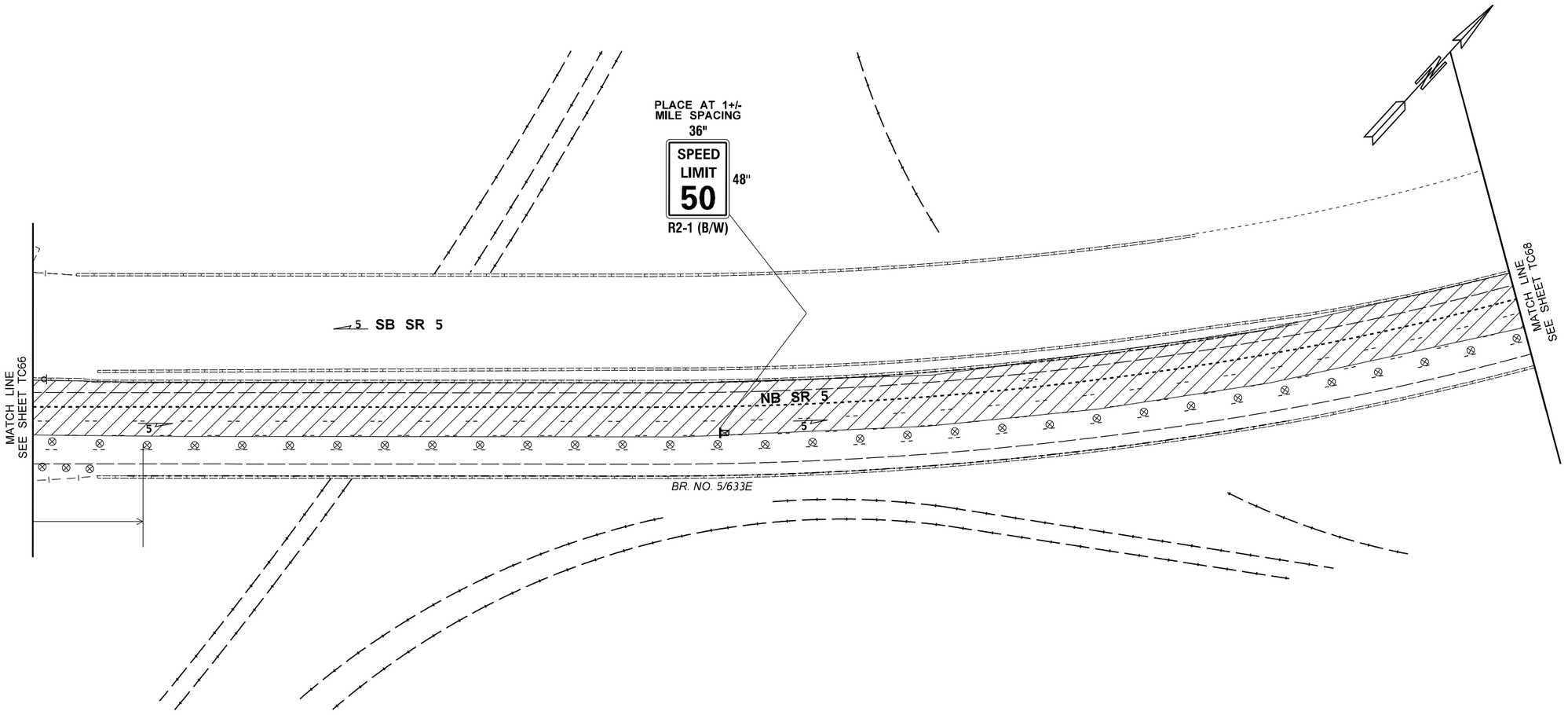
DATE
P.E. STAMP BOX

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 71
PLAN REF NO
TC66
SHEET 205 OF 240 SHEETS



NOTES

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO½SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

TRAFFIC CONTROL PLAN
STAGE 2B

0 50 100
SCALE IN FEET

LEGEND

⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIAL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
	TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_2B.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	9:10:21 AM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

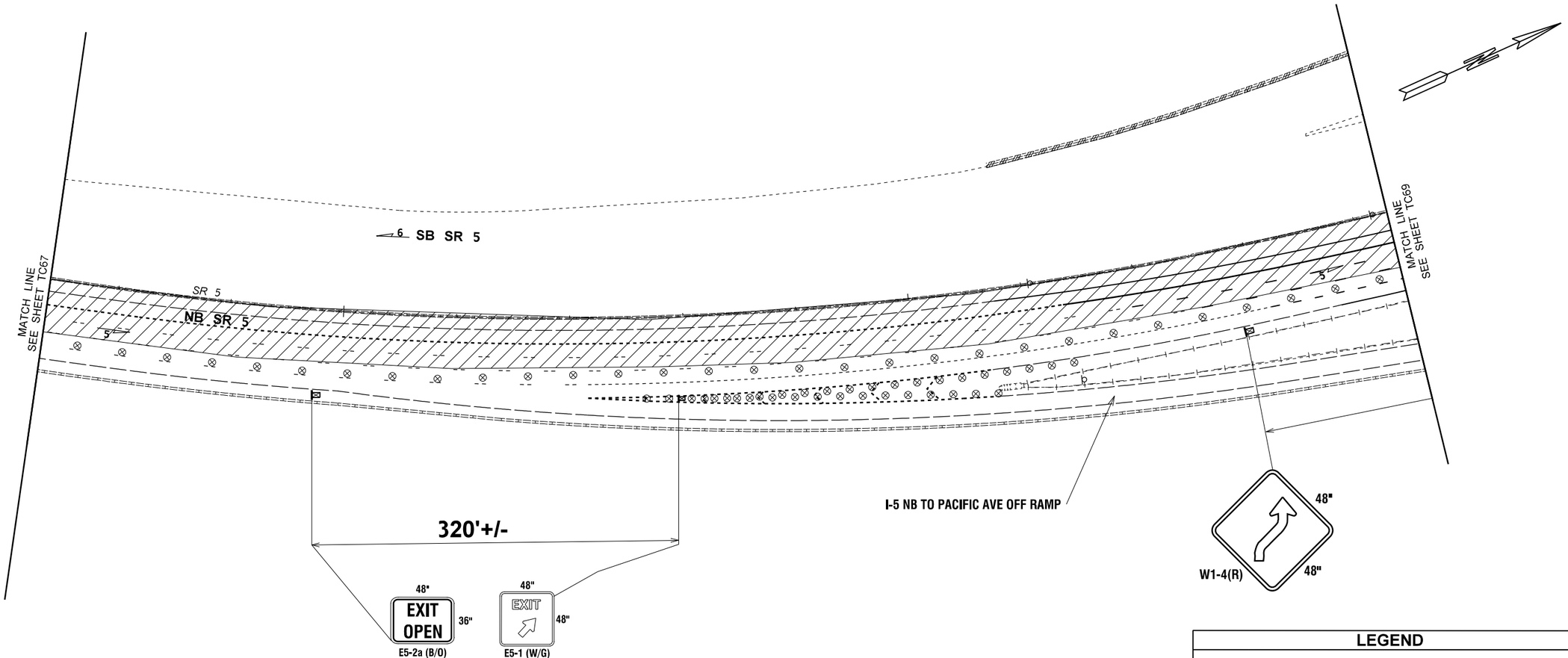
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 72

PLAN REF NO
TC67

SHEET
206
OF
240
SHEETS



LEGEND

⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIAL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
	TRANSPORTABLE ATTENUATOR

NOTES

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO½SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

TRAFFIC CONTROL PLAN
STAGE 2B

0 50 100
SCALE IN FEET

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_2B.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	9:10:41 AM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

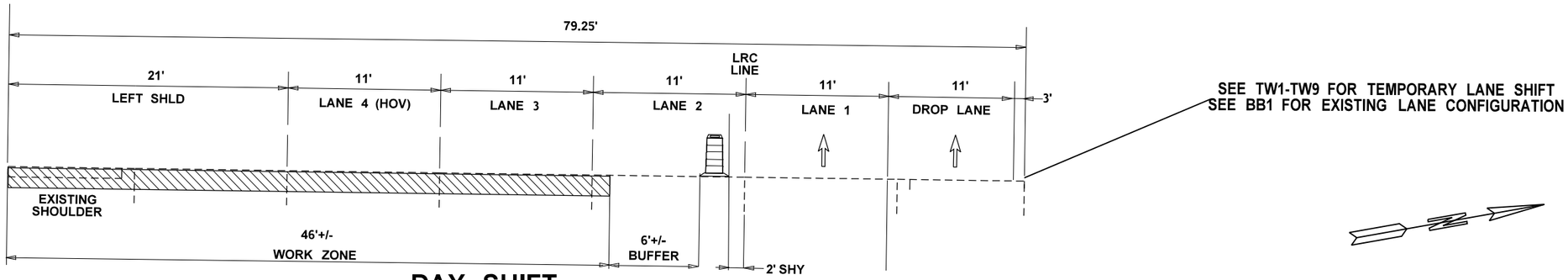
DATE
P.E. STAMP BOX

Washington State Department of Transportation

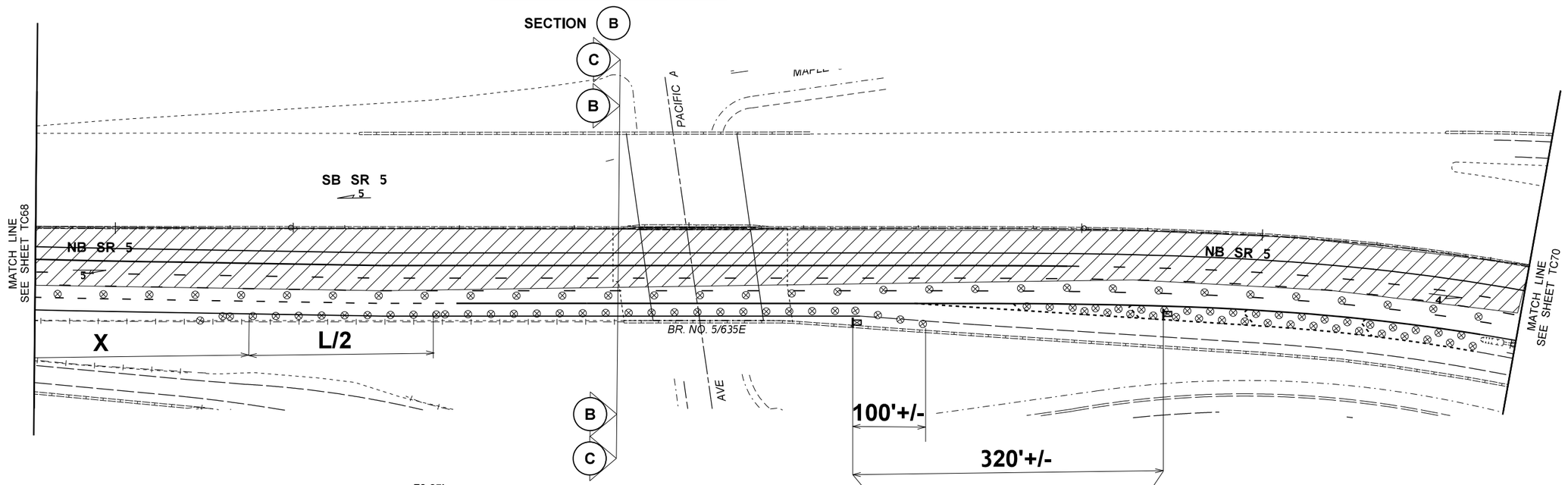
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

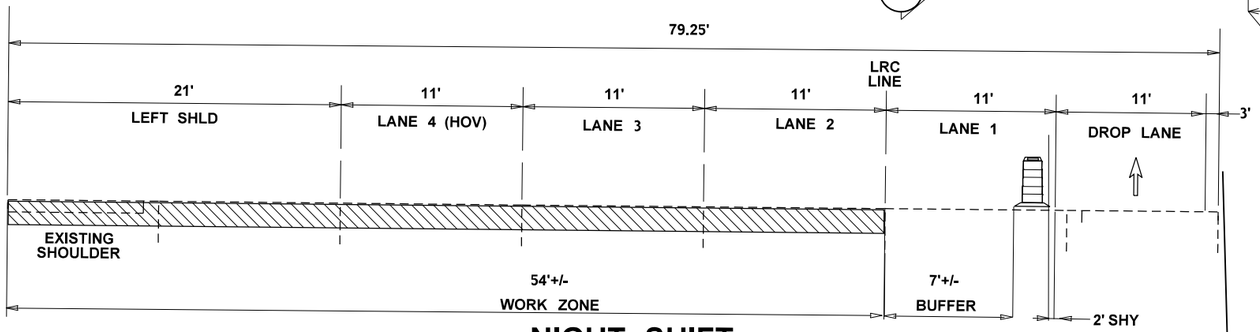
TRAFFIC CONTROL PLAN

Plot 73
PLAN REF NO
TC68
SHEET
207
OF
240
SHEETS



DAY SHIFT





NIGHT SHIFT

SECTION C

SEE TW1-TW9 FOR TEMPORARY LANE SHIFT
SEE BB1 FOR EXISTING LANE CONFIGURATION

TRAFFIC CONTROL PLAN
STAGE 2B

0 50 100
SCALE IN FEET

LEGEND

⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIAL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
	TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_2B.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	9:10:59 AM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5

E SUNSET WAY VIC & NB LOWELL RD VIC

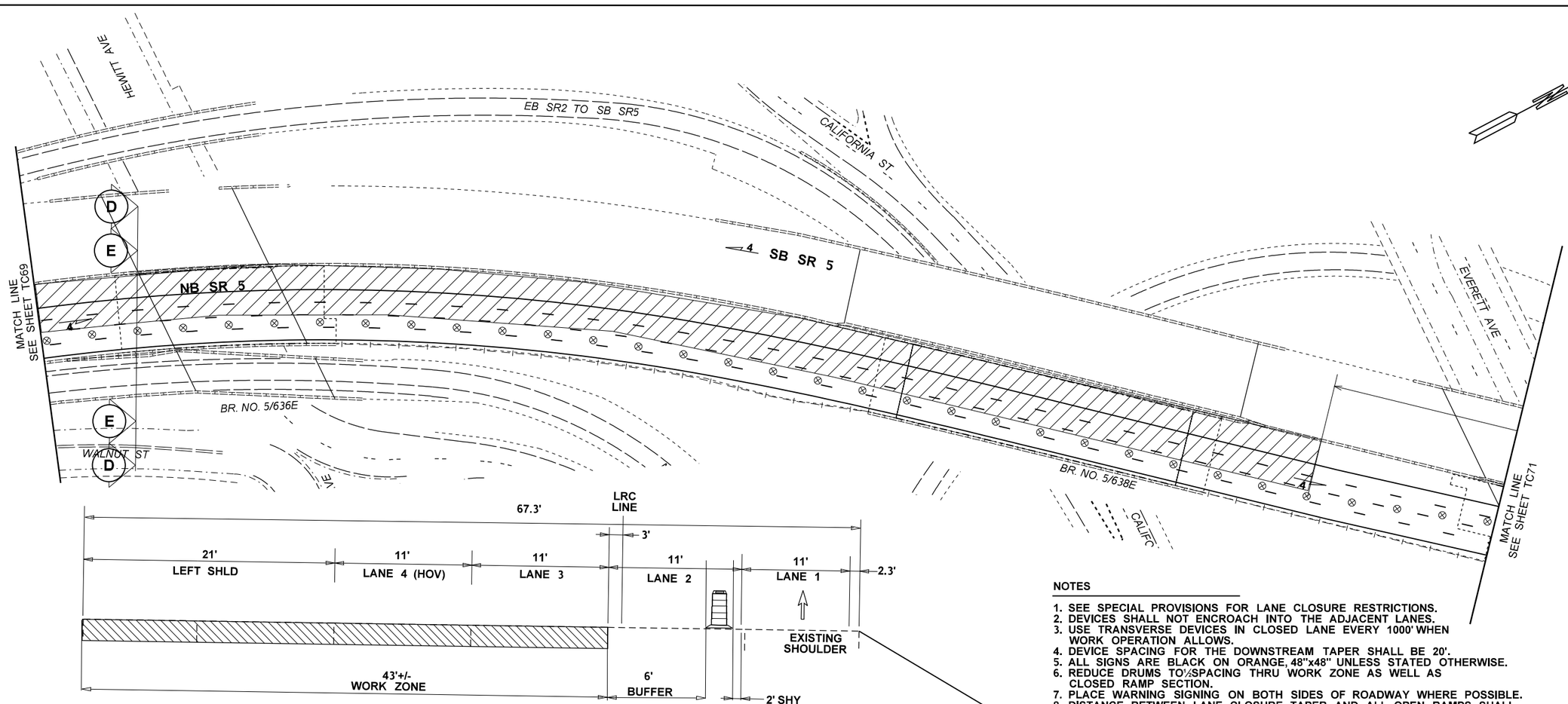
PCCP EXP JNT REHAB & DECK OVERLAY

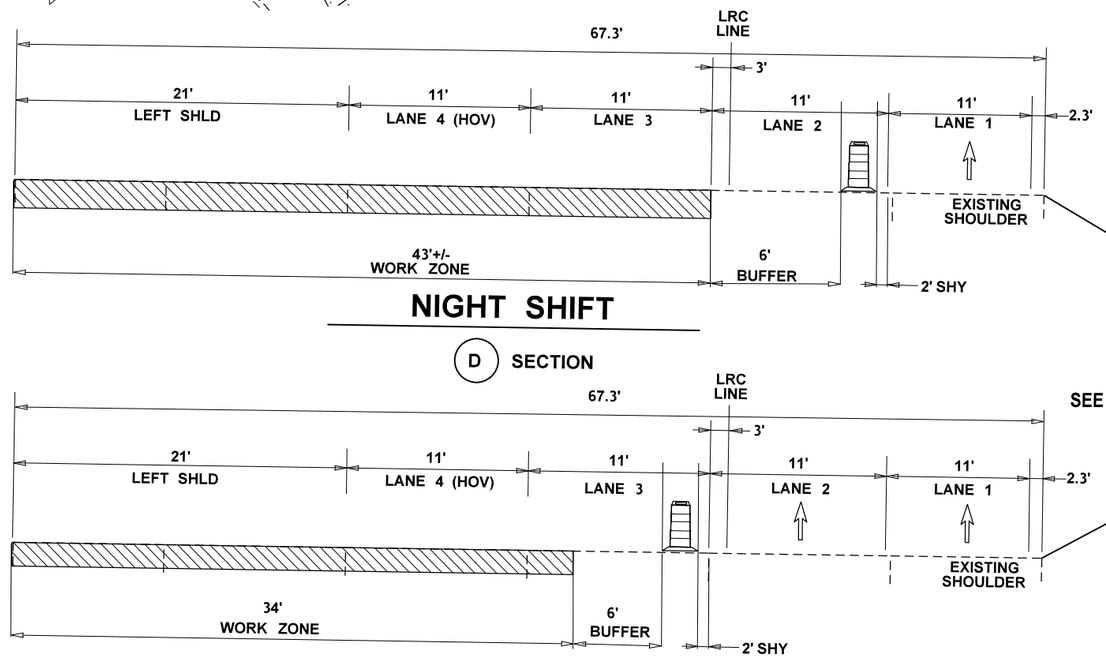
TRAFFIC CONTROL PLAN

Plot 74

PLAN REF NO TC69

SHEET 208 OF 240 SHEETS





NIGHT SHIFT

(D) SECTION

DAY SHIFT

SECTION (E)

SEE TW1-TW9 FOR TEMPORARY LANE SHIFT
SEE BC1 & BD1 FOR EXISTING LANE CONFIGURATION

NOTES

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO ½SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

TRAFFIC CONTROL PLAN STAGE 2B

0 50 100
SCALE IN FEET

LEGEND

⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIAL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
	TRANSPORTABLE ATTENUATOR

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_2B.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	9:11:21 AM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5

E SUNSET WAY VIC & NB LOWELL RD VIC

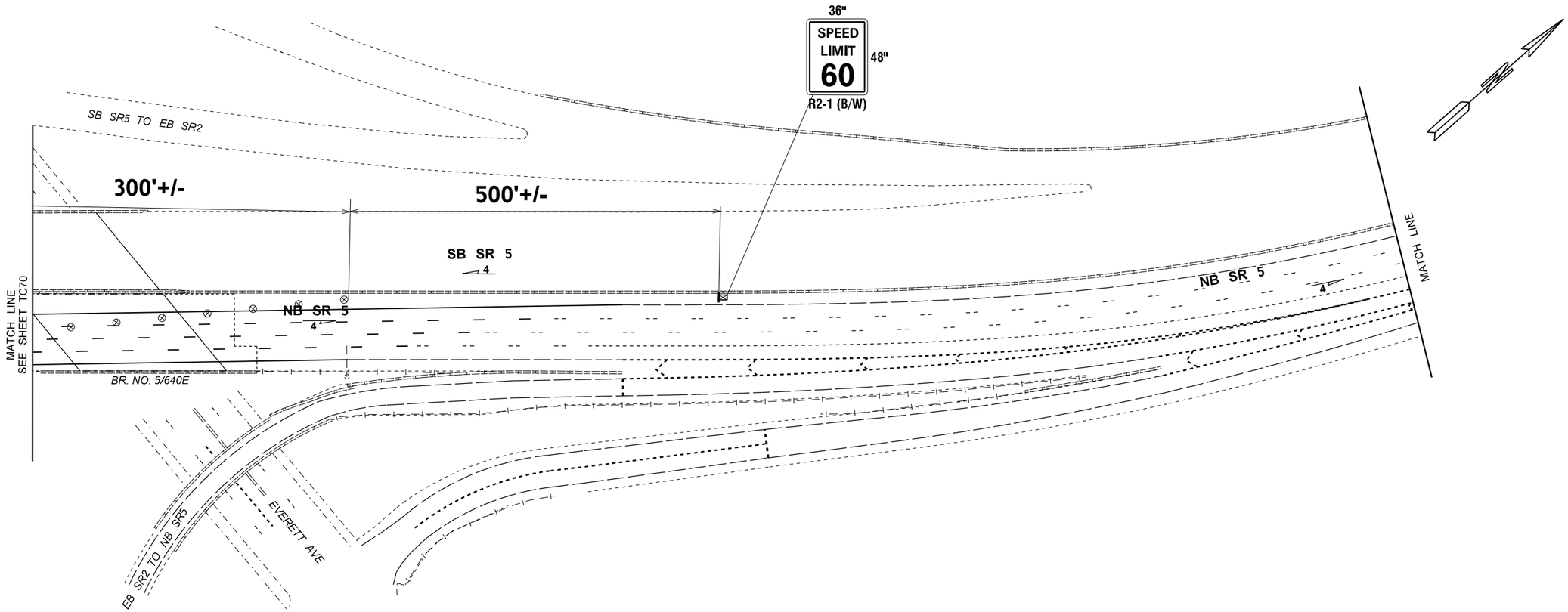
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 75

PLAN REF NO TC70

SHEET 209 OF 240 SHEETS



0 50 100
SCALE IN FEET

TRAFFIC CONTROL PLAN
STAGE 2B

LEGEND

⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIAL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
	TRANSPORTABLE ATTENUATOR

NOTES

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SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_2B.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	9:11:47 AM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

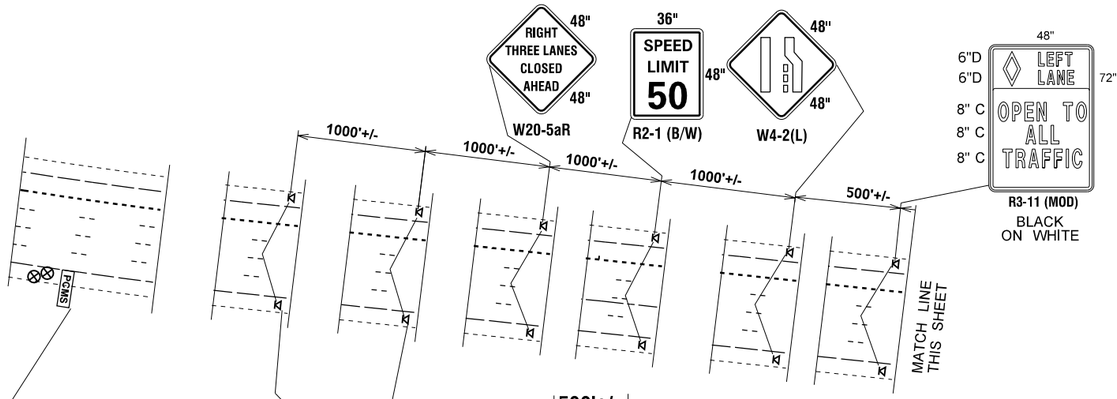
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 76

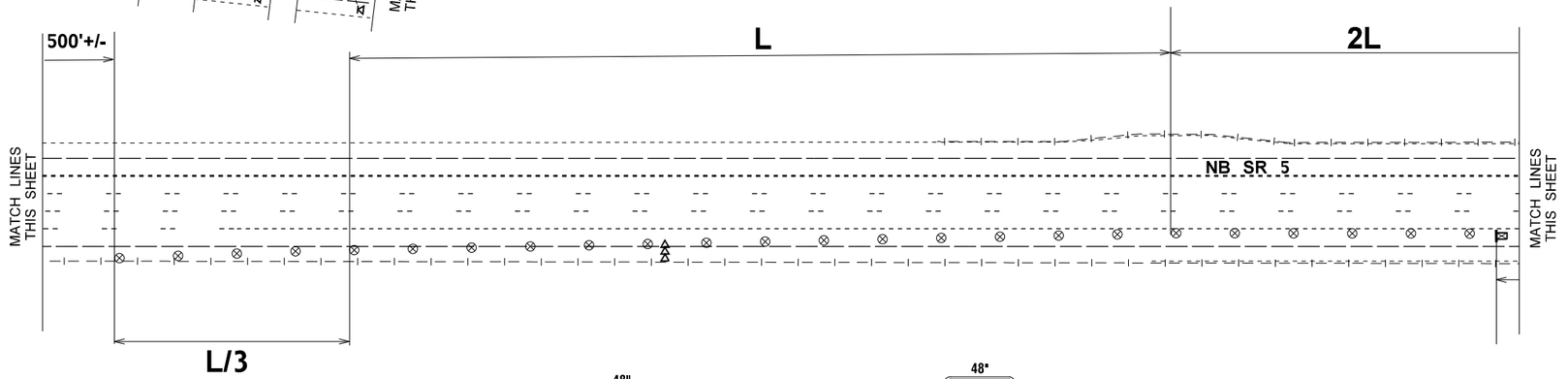
PLAN REF NO
TC71

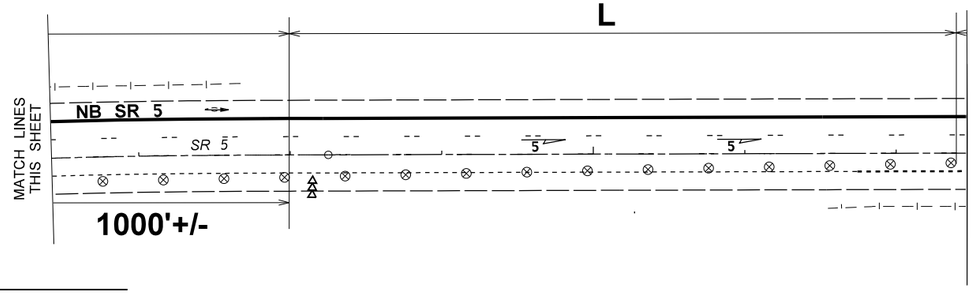
SHEET
210
OF
240
SHEETS

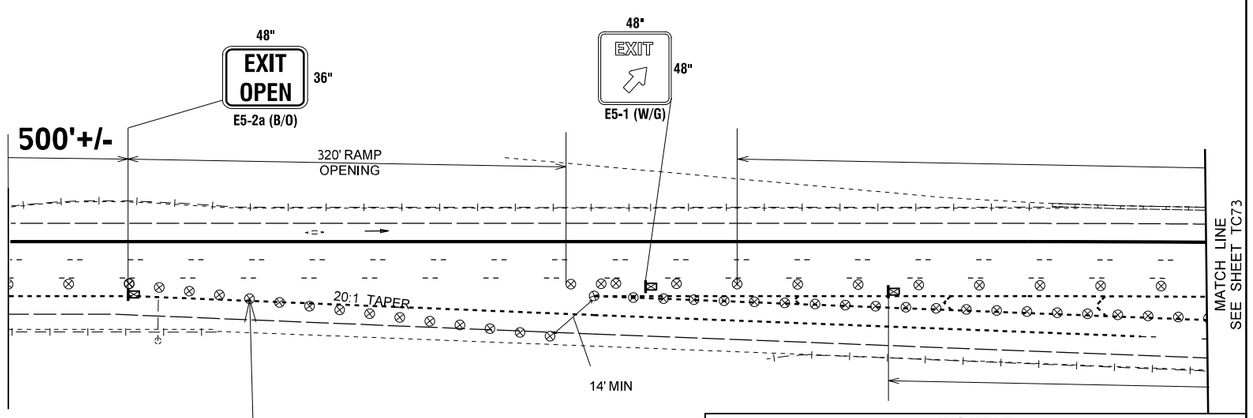


PCMS	
1	2
RIGHT 3 LANES CLOSED	REDUCED SPEED AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE TAPER.







NOTES

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7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.
9. ALL SPEED LIMIT SIGNS CONFLICTING WITH WORK ZONE SPEED LIMIT SHALL BE COVERED PER STANDARD SPECIFICATIONS 8-21.3(3).

REDUCE CHANNELIZATION DEVICES BY HALF THROUGH LENGTH OF EXIT RAMP

LEGEND	
⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIAL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
	TRANSPORTABLE ATTENUATOR

TRAFFIC CONTROL PLAN STAGE 3A

0 50 100
SCALE IN FEET

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3A.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	12:47:38 PM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

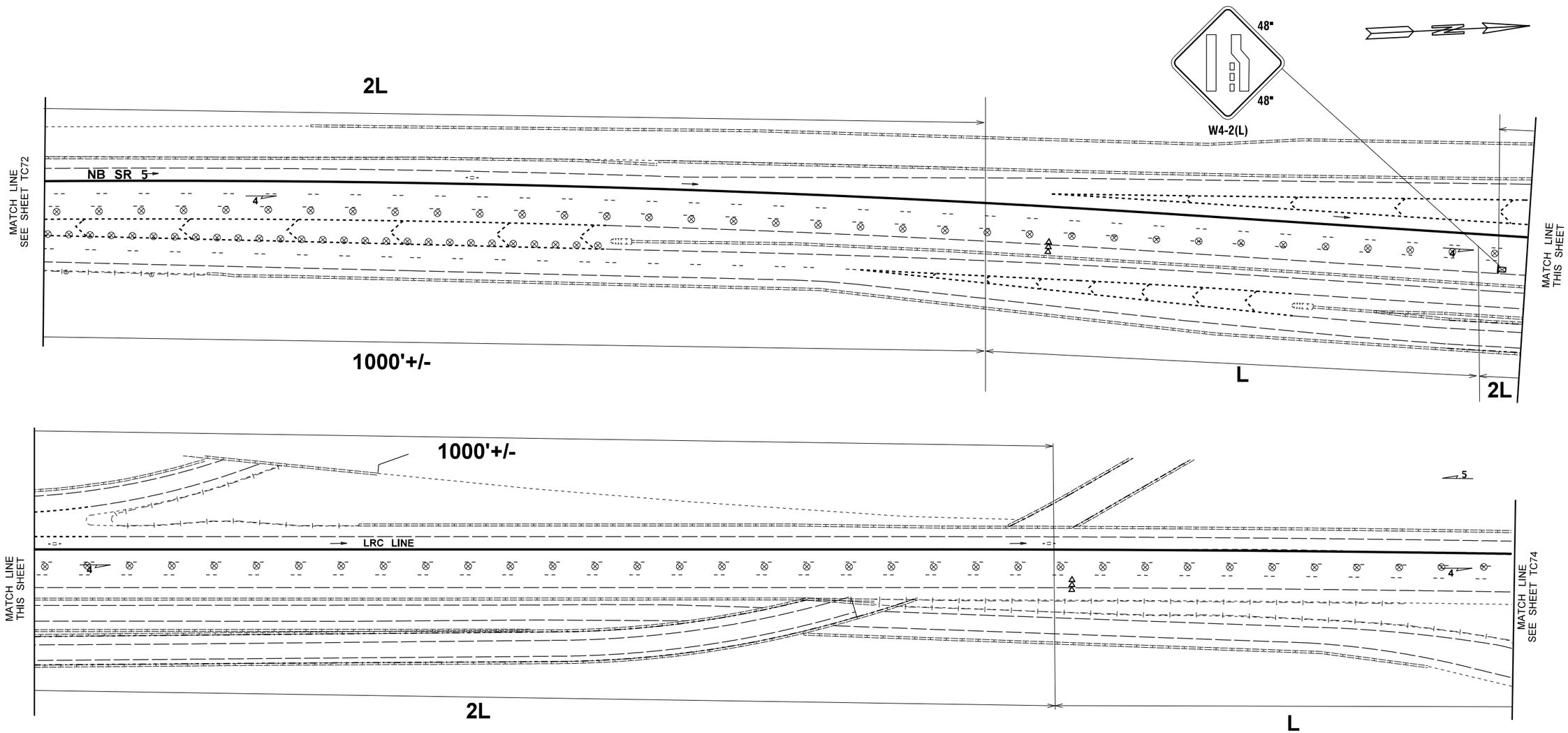
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 77

PLAN REF NO
TC72

SHEET 211 OF 240 SHEETS



NOTES

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TRAFFIC CONTROL PLAN
STAGE 3A

0 50 100
SCALE IN FEET

LEGEND

- TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TA — TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3A.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
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PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

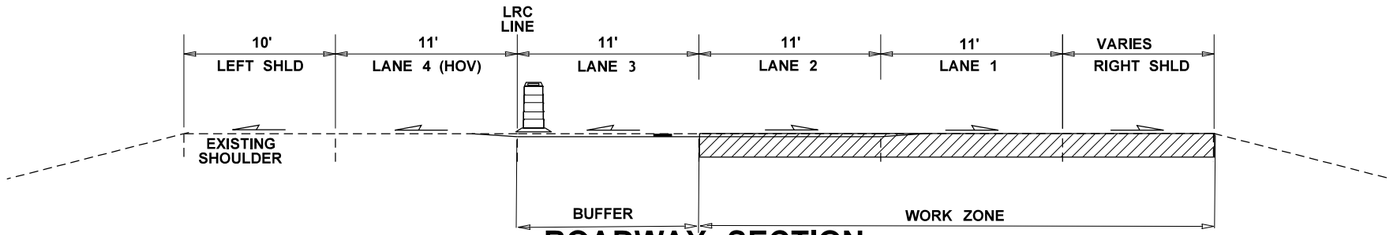
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 78

PLAN REF NO
TC73

SHEET
212
OF
240
SHEETS



ROADWAY SECTION

SECTION (A)

NOTES

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
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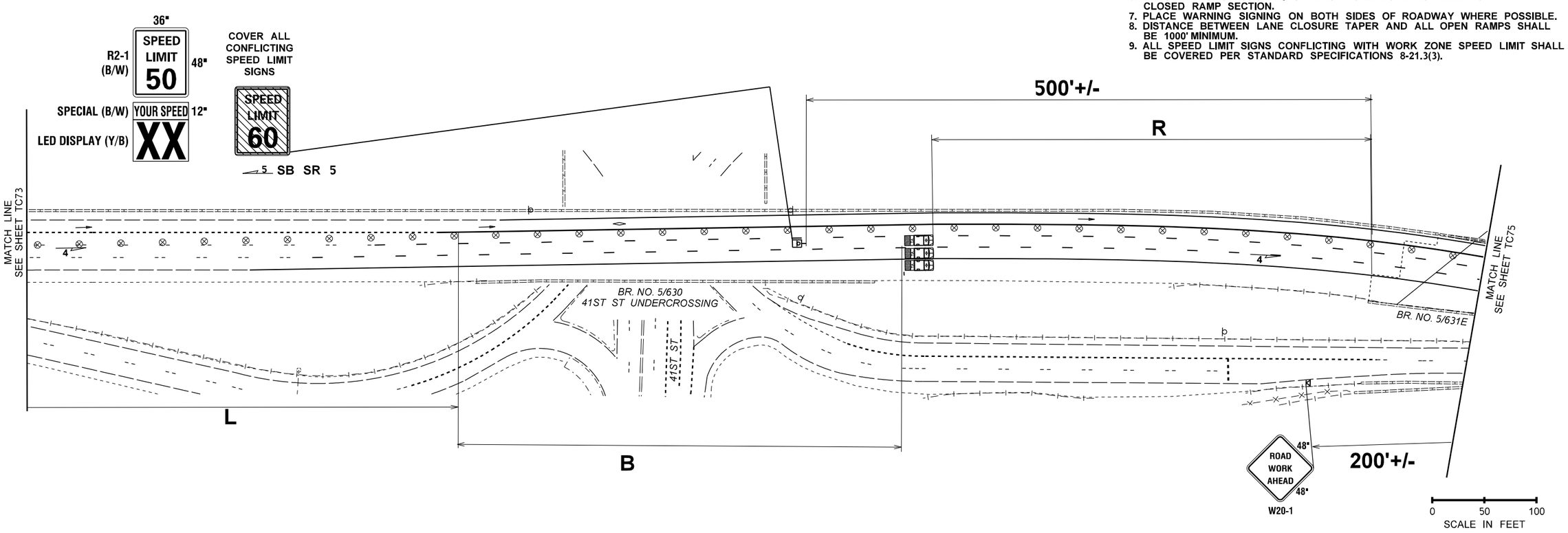

NOTES

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TRAFFIC CONTROL PLAN
STAGE 3A

LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3A.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	12:48:17 PM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

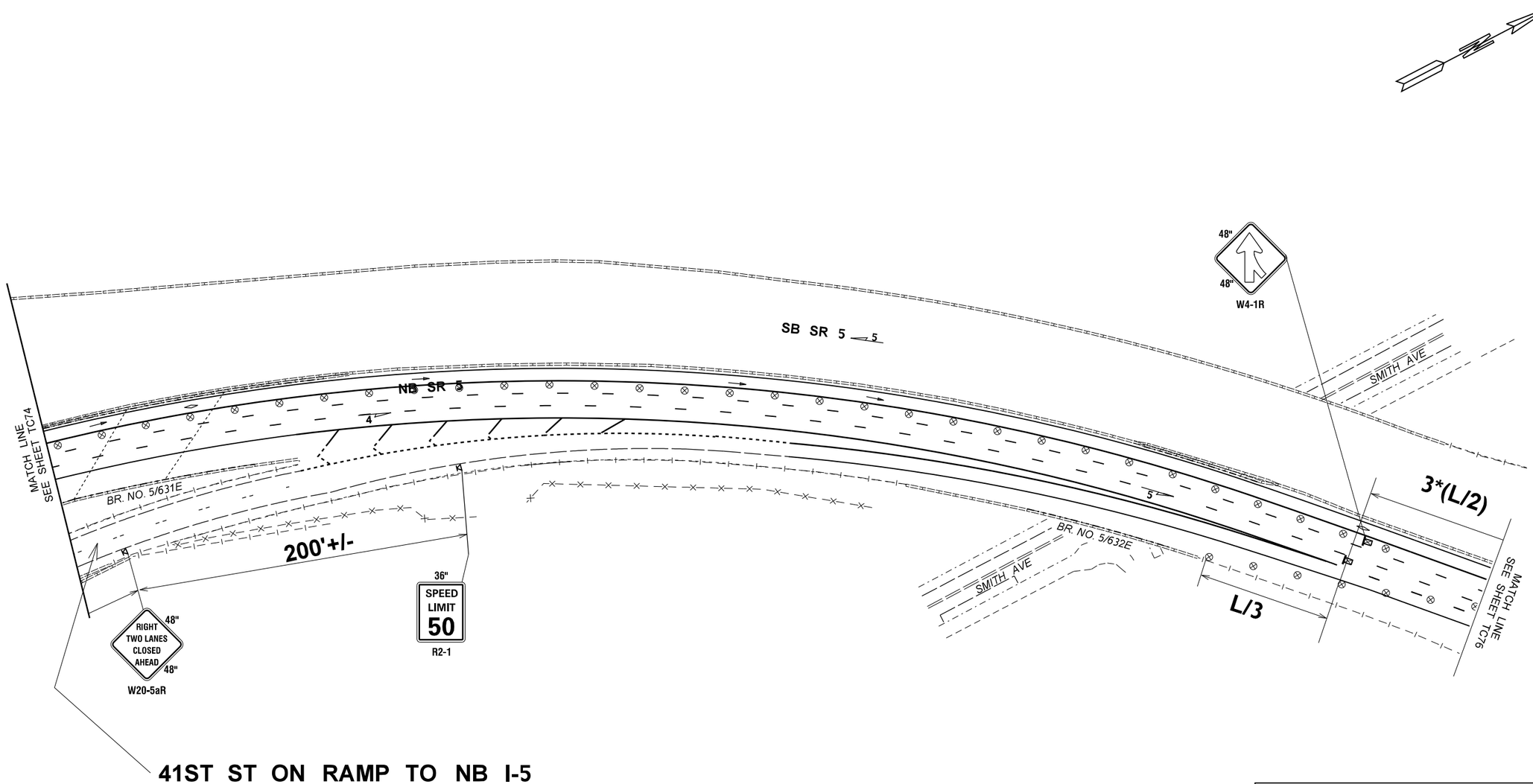
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 79

PLAN REF NO
TC74

SHEET
213
OF
240
SHEETS



41ST ST ON RAMP TO NB I-5

NOTES

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4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO ½SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

TRAFFIC CONTROL PLAN
STAGE 3A

0 50 100
SCALE IN FEET

LEGEND

⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIAL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
	TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3A.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	12:48:37 PM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

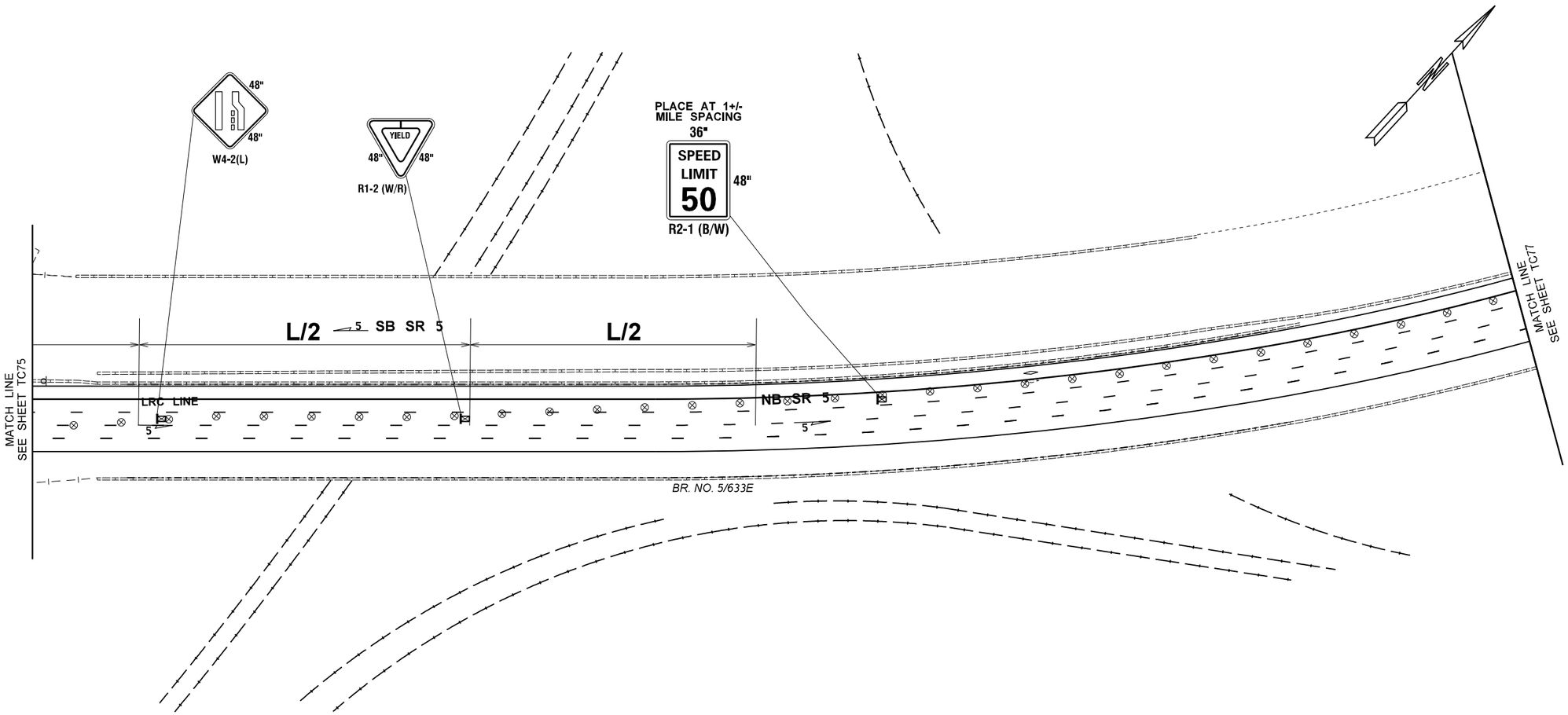
DATE
P.E. STAMP BOX

Washington State
Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 80
PLAN REF NO
TC75
SHEET
214
OF
240
SHEETS



NOTES

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO½SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

TRAFFIC CONTROL PLAN
STAGE 3A

0 50 100
SCALE IN FEET

LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3A.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	9:17:21 AM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

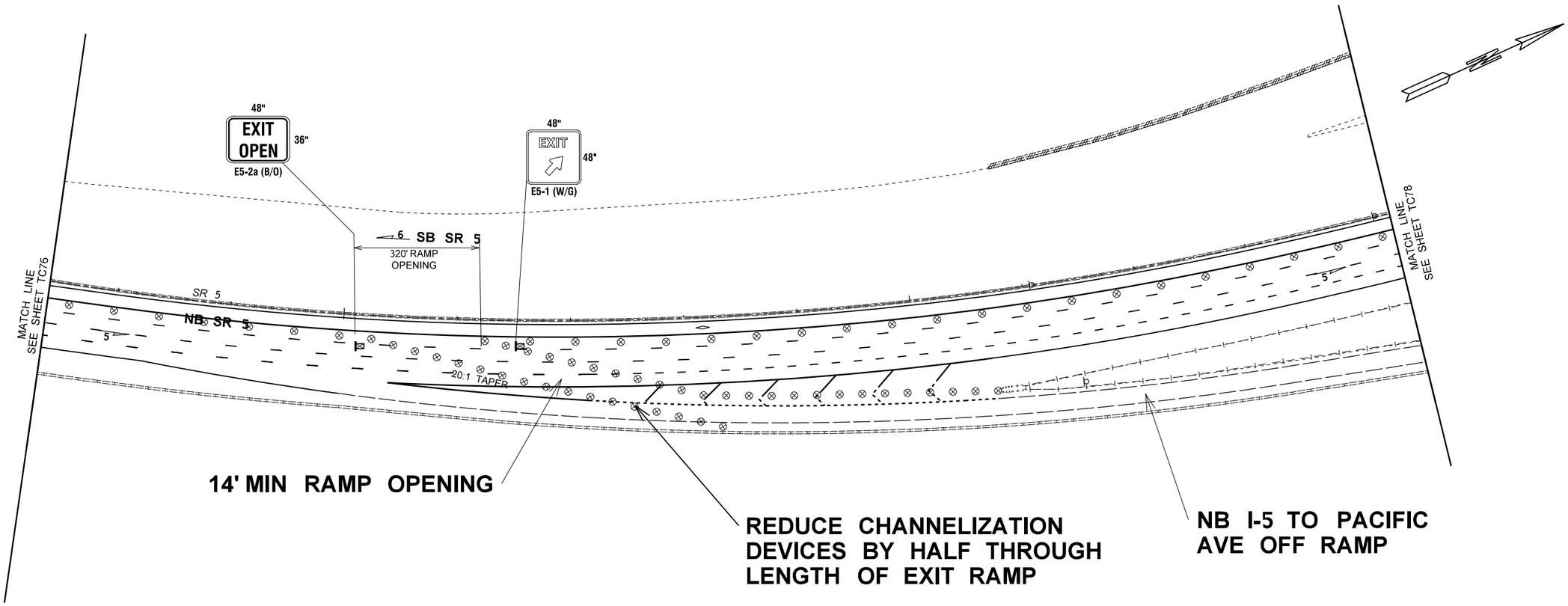
DATE
P.E. STAMP BOX

Washington State
Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 81
PLAN REF NO
TC76
SHEET
215
OF
240
SHEETS



LEGEND	
⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIAL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
	TRANSPORTABLE ATTENUATOR

NOTES

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
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7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

TRAFFIC CONTROL PLAN
STAGE 3A

0 50 100
SCALE IN FEET

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3A.dgn				REGION NO.	STATE	FED.AID PROJ.NO.	Plot 82
TIME	9:17:45 AM				10	WASH		PLAN REF NO TC77
DATE	11/30/2021				JOB NUMBER 21A012			
PLOTTED BY	haukapa				CONTRACT NO.		LOCATION NO.	SHEET 216 OF 240 SHEETS
DESIGNED BY	B. KOSA							
ENTERED BY	B. KOSA							
CHECKED BY	L. CLAYWELL							
PROJ. ENGR.	A. EMERSON							
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY				

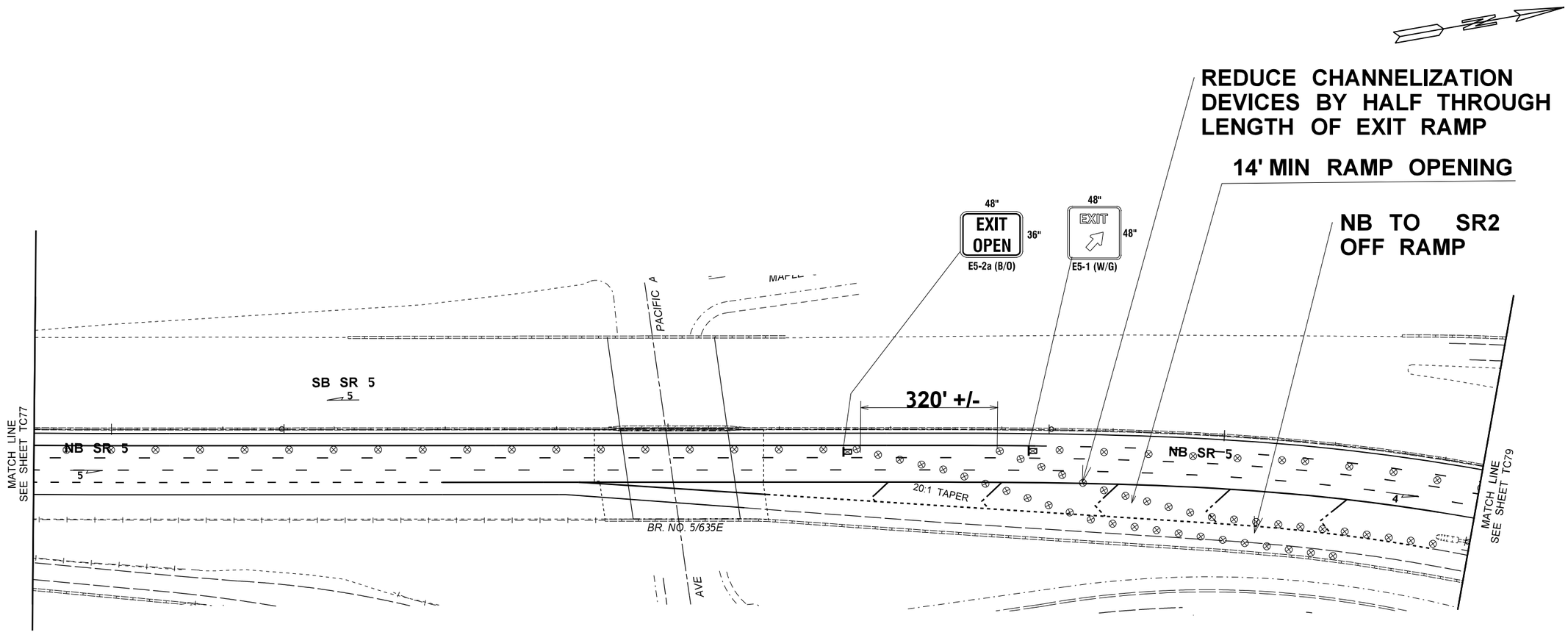
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN



TRAFFIC CONTROL PLAN
STAGE 3A

0 50 100
SCALE IN FEET

LEGEND	
⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIAL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
	TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3A.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	9:18:17 AM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

I-90 & I-5

E SUNSET WAY VIC & NB LOWELL RD VIC

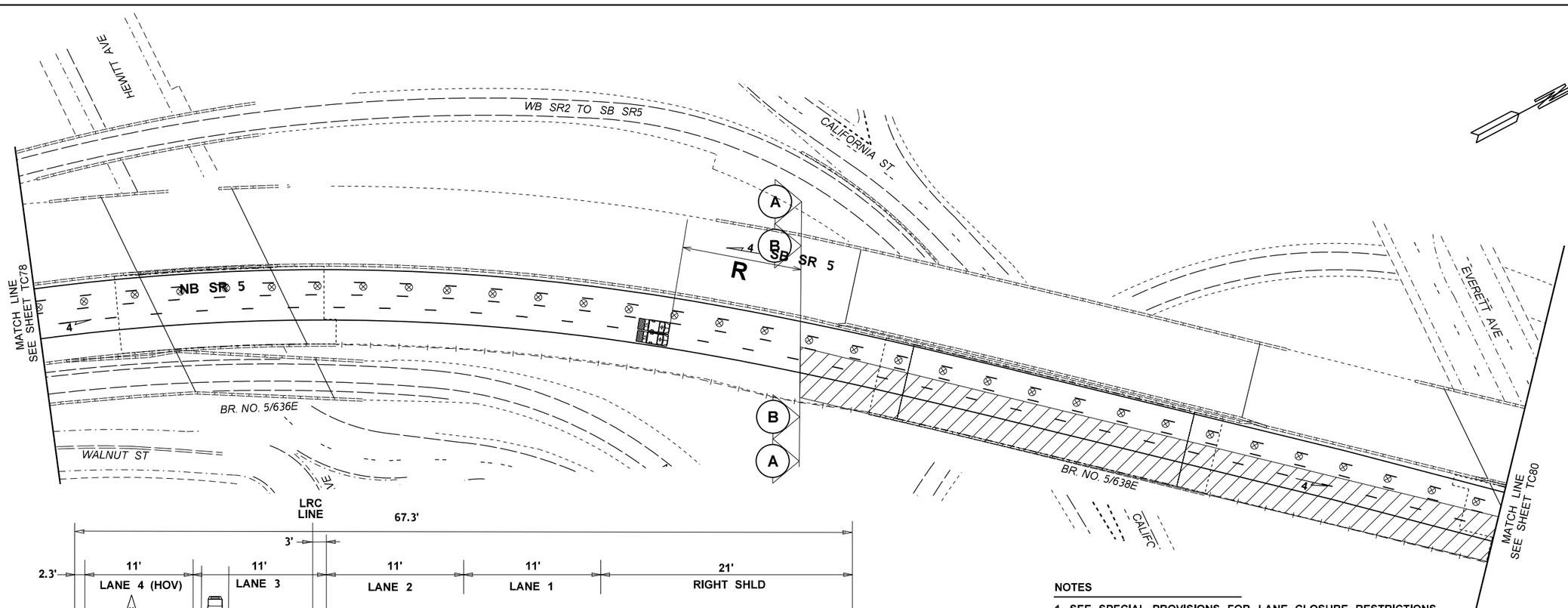
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 83

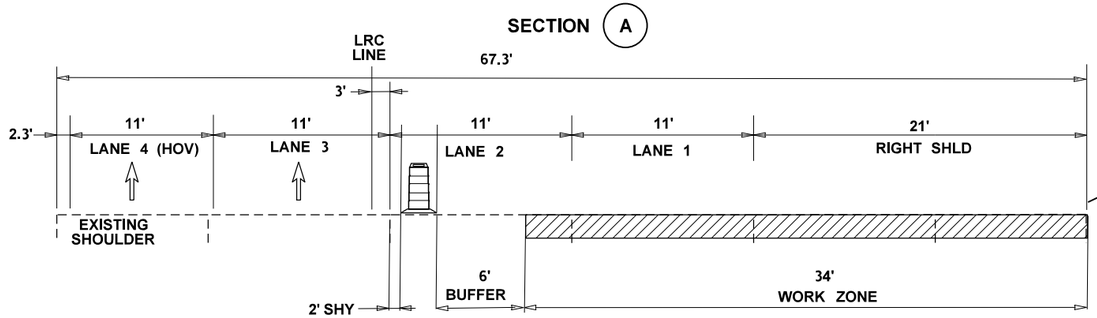
PLAN REF NO TC78

SHEET 217 OF 240 SHEETS



NIGHT SHIFT

SECTION (A)



DAY SHIFT

SECTION (B)

SEE TW1-TW9 FOR TEMPORARY LANE SHIFT
SEE BC1 & BD1 FOR EXISTING LANE CONFIGURATION

NOTES

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO ½ SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

TRAFFIC CONTROL PLAN STAGE 3A

0 50 100
SCALE IN FEET

LEGEND

⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIAL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
	TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3A.dgn
TIME	9:18:49 AM
DATE	11/30/2021
PLOTTED BY	haukapa
DESIGNED BY	B. KOSA
ENTERED BY	B. KOSA
CHECKED BY	L. CLAYWELL
PROJ. ENGR.	A. EMERSON
REGIONAL ADM.	M. COTTEN

REVISION	DATE	BY

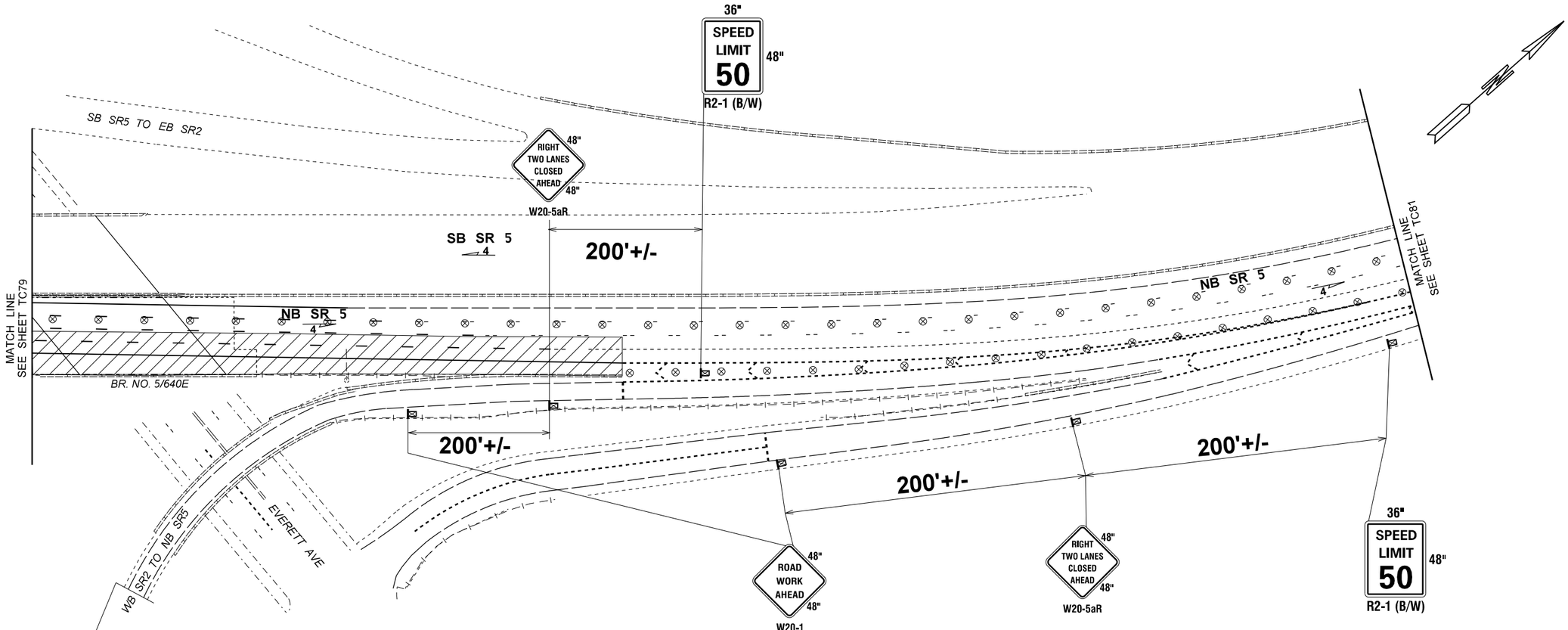
REGION NO. 10 | STATE WASH
JOB NUMBER 21A012
CONTRACT NO.
FED.AID PROJ.NO.
LOCATION NO.

P.E. STAMP BOX — DATE
P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY
TRAFFIC CONTROL PLAN

Plot 84
PLAN REF NO TC79
SHEET 218 OF 240 SHEETS



PCMS	
1	2
ROAD WORK AHEAD	REDUCED SPEED AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE .5 MILE IN ADVANCE OF ROAD WORK

0 50 100
SCALE IN FEET

TRAFFIC CONTROL PLAN STAGE 3A

LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

NOTES

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO½SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3A.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:19:12 AM						
DATE	11/30/2021						
PLOTTED BY	haukapa				JOB NUMBER 21A012		
DESIGNED BY	B. KOSA						
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

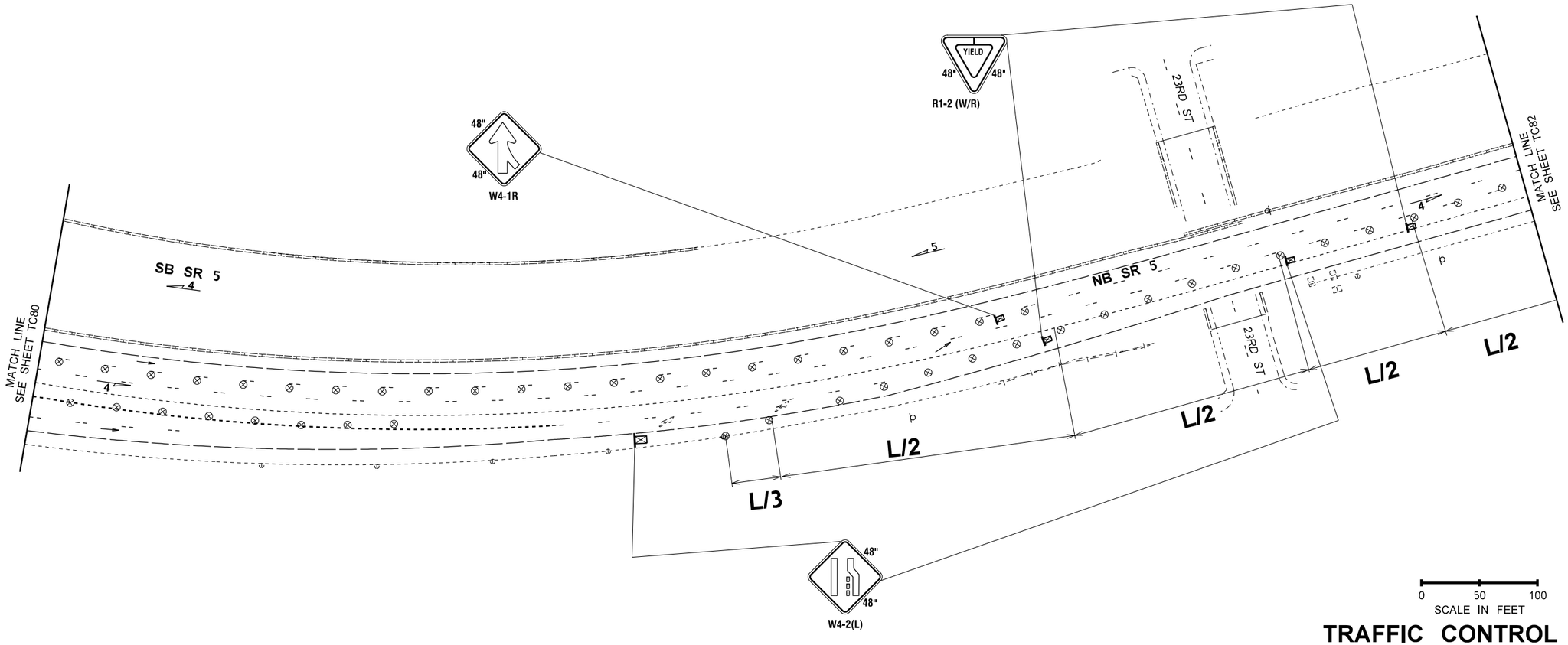
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 85

PLAN REF NO TC80

SHEET 219 OF 240 SHEETS



0 50 100
SCALE IN FEET

TRAFFIC CONTROL PLAN
STAGE 3A

LEGEND

⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIAL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
TA	TRANSPORTABLE ATTENUATOR

SECTION 2

NOTES

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
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7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3A.dgn					
TIME	9:19:34 AM					
DATE	11/30/2021					
PLOTTED BY	haukapa					
DESIGNED BY	B. KOSA					
ENTERED BY	B. KOSA					
CHECKED BY	L. CLAYWELL					
PROJ. ENGR.	A. EMERSON					
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY		

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
21A012		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

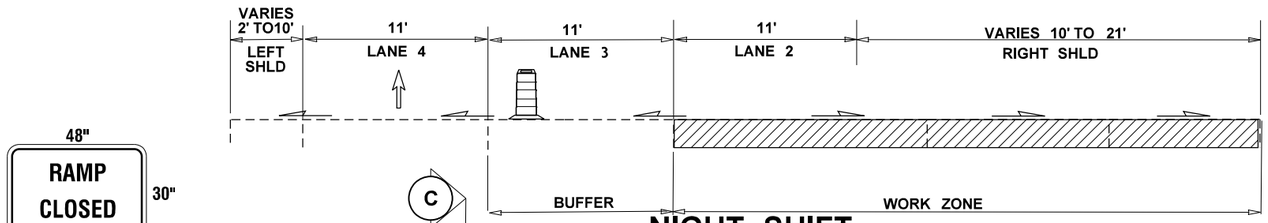
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 86

PLAN REF NO
TC81

SHEET
220
OF
240
SHEETS



NIGHT SHIFT

SECTION (C)

C

D

SB SR 5

SEE TW1-TW9 FOR TEMPORARY LANE SHIFT

SEE DU2 FOR RAMP DETOUR

MATCH LINE
SEE SHEET TC81

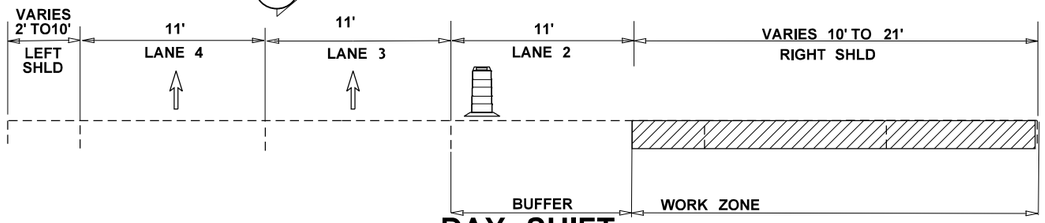
NB SR 5

B R

D

C

MATCH LINE
SEE SHEET TC83



DAY SHIFT

SECTION (D)

I-5 NB TO MARINE VIEW DR OFF RAMP

0 50 100
SCALE IN FEET

TRAFFIC CONTROL PLAN STAGE 3A

NOTES

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO½SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

LEGEND

⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIAL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
	TRANSPORTABLE ATTENUATOR

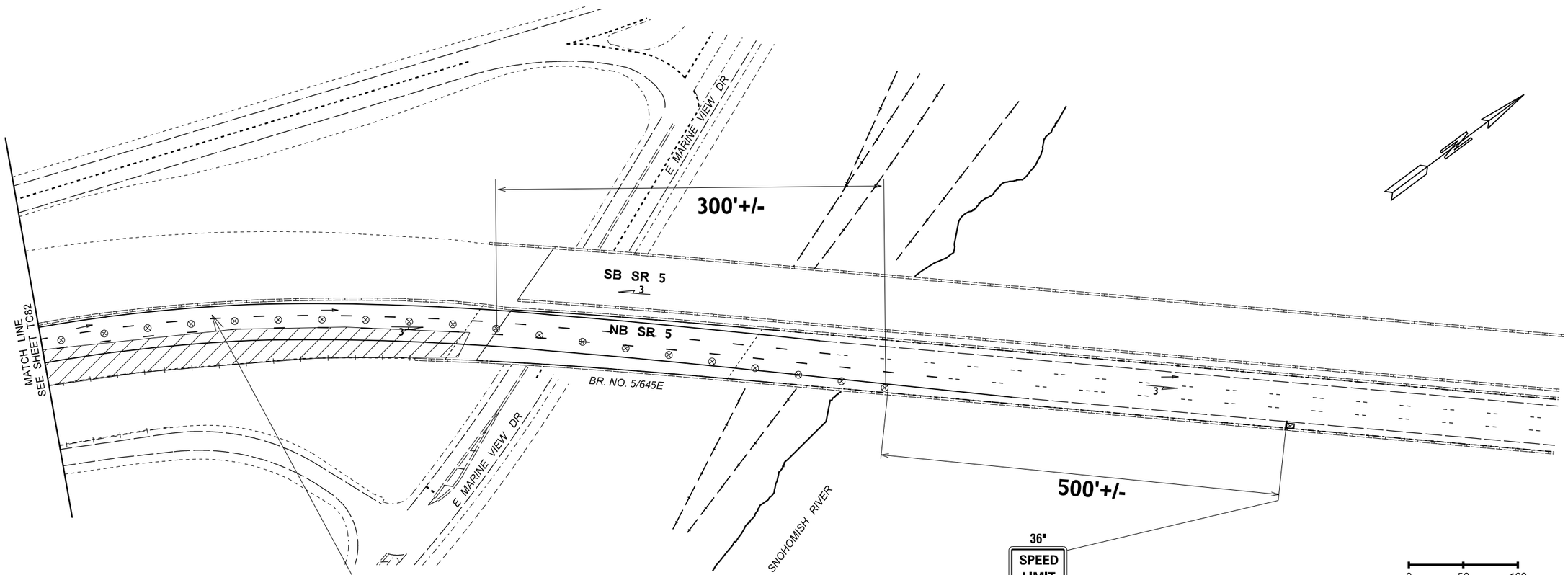
SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3A.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.		Washington State Department of Transportation	I-90 & I-5 E SUNSET WAY VIC & NB LOWELL RD VIC PCCP EXP JNT REHAB & DECK OVERLAY	Plot 87 PLAN REF NO TC82
TIME	9:20:07 AM				JOB NUMBER 21A012						SHEET 221 OF 240 SHEETS
DATE	11/30/2021				CONTRACT NO.		LOCATION NO.				
PLOTTED BY	haukapa										
DESIGNED BY	B. KOSA										
ENTERED BY	B. KOSA										
CHECKED BY	L. CLAYWELL										
PROJ. ENGR.	A. EMERSON										
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY							

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

TRAFFIC CONTROL PLAN



TRAFFIC CONTROL PLAN
STAGE 3A

SEE TW1-TW9 FOR TEMPORARY LANE SHIFT

LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B
- SEQUENTIAL ARROW SIGN
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

NOTES

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SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3A.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:20:28 AM						
DATE	11/30/2021						
PLOTTED BY	haukapa						
DESIGNED BY	B. KOSA				JOB NUMBER 21A012		
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

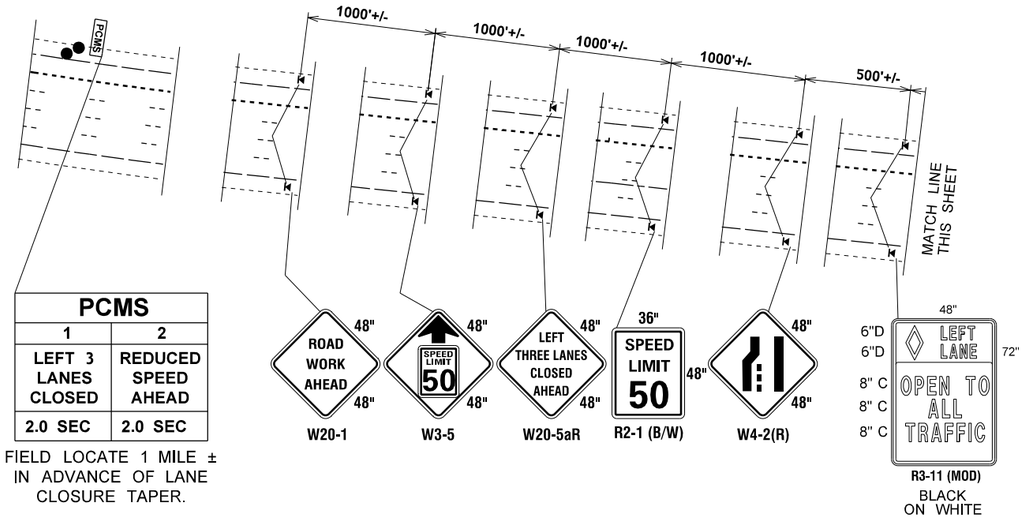
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 88

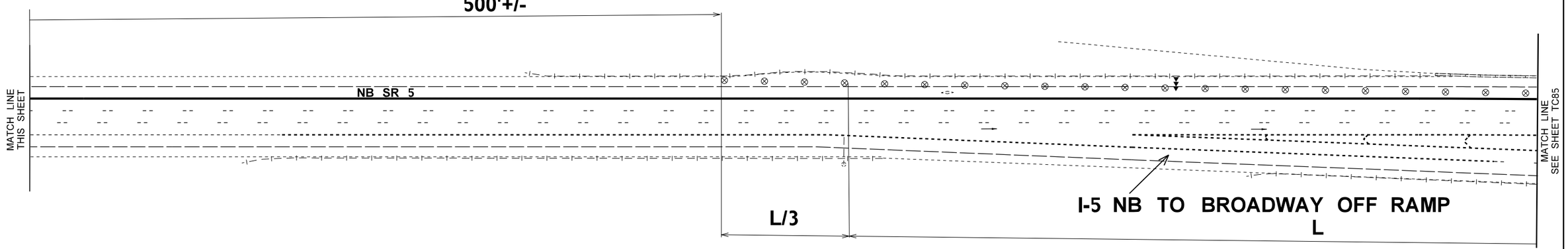
PLAN REF NO TC83

SHEET 222 OF 240 SHEETS



PCMS	
1	2
LEFT 3 LANES CLOSED	REDUCED SPEED AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE TAPER.



NOTES

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6. REDUCE DRUMS TO½SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.
9. ALL SPEED LIMIT SIGNS CONFLICTING WITH WORK ZONE SPEED LIMIT SHALL BE COVERED PER STANDARD SPECIFICATIONS 8-21.3(3).

TRAFFIC CONTROL PLAN
STAGE 3B

0 50 100
SCALE IN FEET

LEGEND

- TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIEL ARROW SIGN
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3B.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	9:37:43 AM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

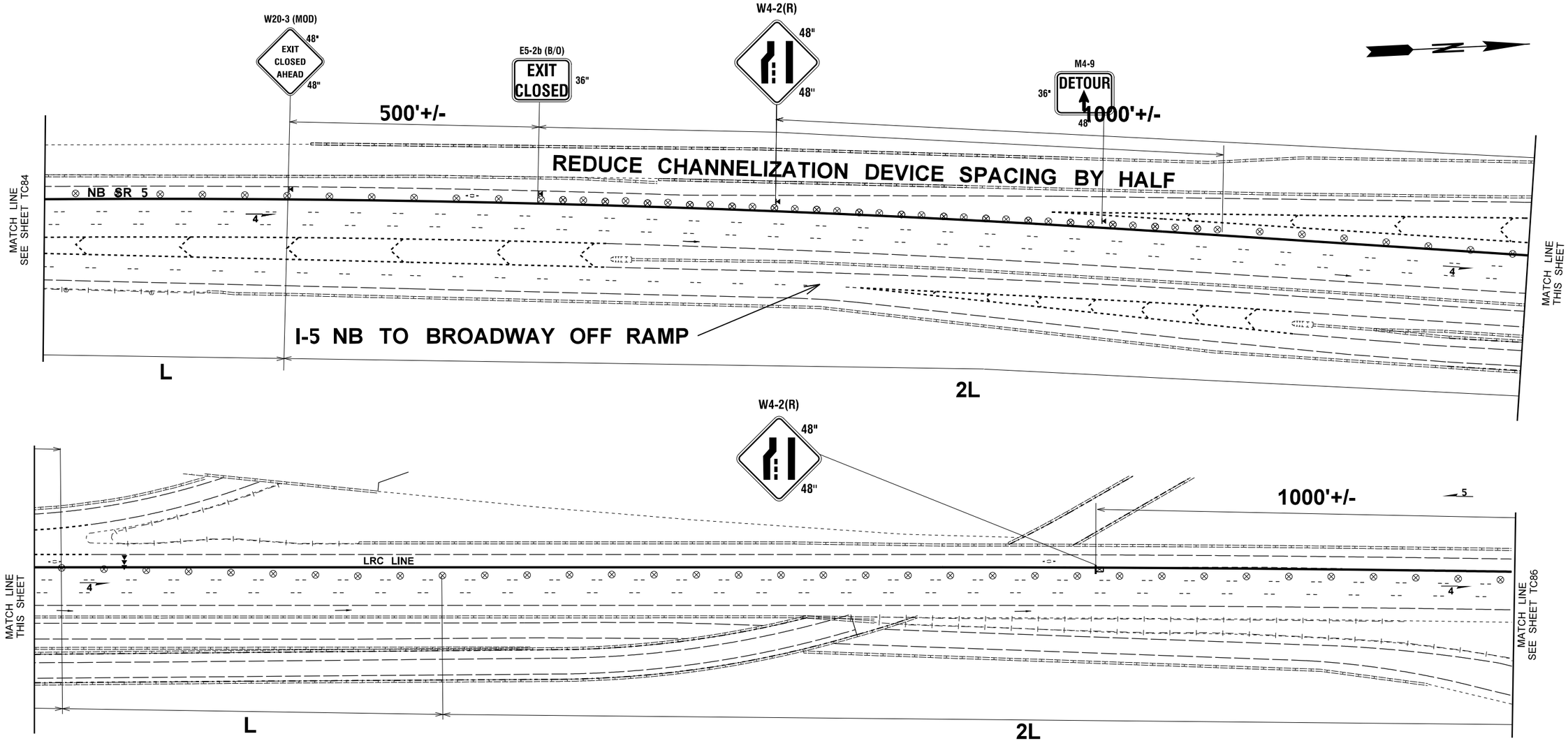
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 89

PLAN REF NO
TC84

SHEET
223
OF
240
SHEETS



NOTES

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO½SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.
9. ALL SPEED LIMIT SIGNS CONFLICTING WITH WORK ZONE SPEED LIMIT SHALL BE COVERED PER STANDARD SPECIFICATIONS 8-21.3(3).

TRAFFIC CONTROL PLAN
STAGE 3B

0 50 100
SCALE IN FEET

LEGEND

- TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIEL ARROW SIGN
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TA — TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3B.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	9:38:11 AM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

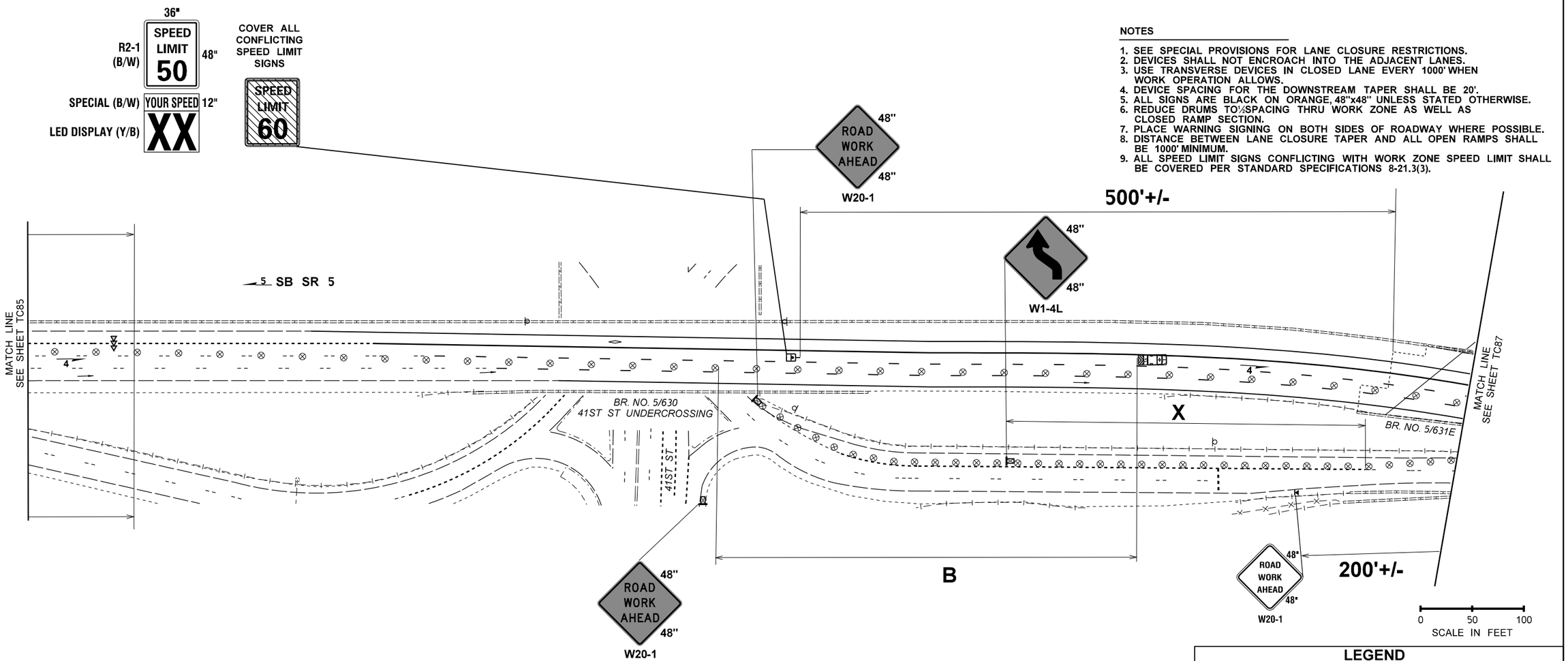
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 90

PLAN REF NO
TC85

SHEET
224
OF
240
SHEETS



NOTES

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LEGEND

- TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIEL ARROW SIGN
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

TRAFFIC CONTROL PLAN
STAGE 3B

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3B.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	12:56:51 PM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

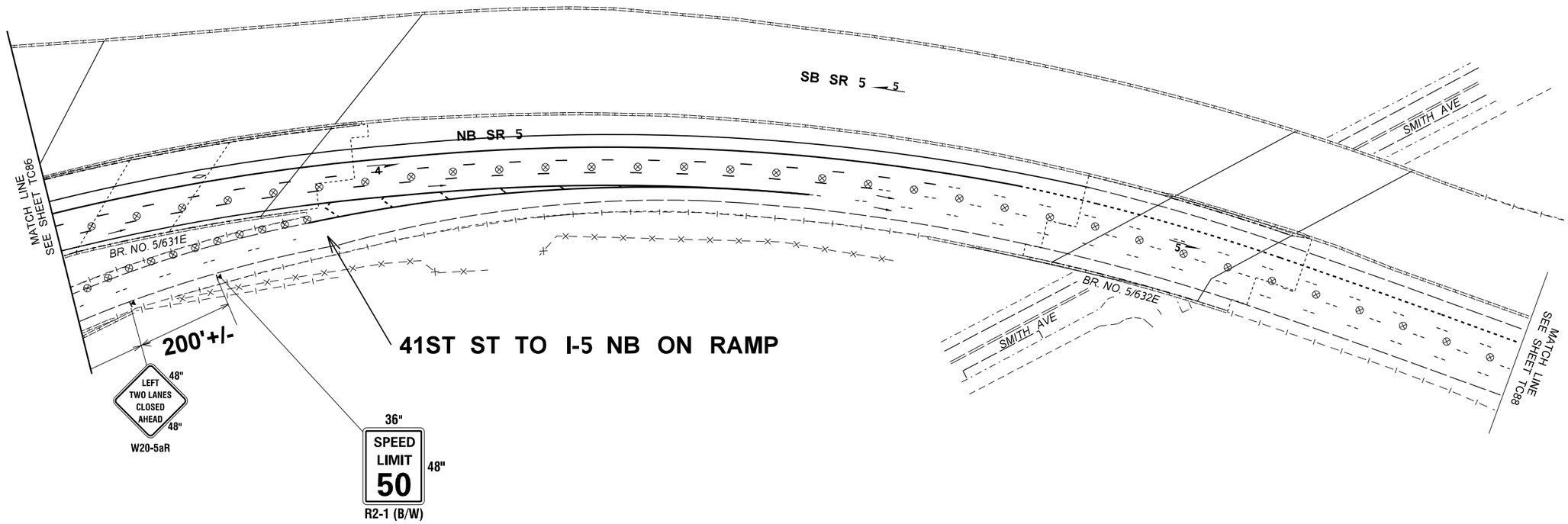
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 91

PLAN REF NO
TC86

SHEET
225
OF
240
SHEETS



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TRAFFIC CONTROL PLAN
STAGE 3B

0 50 100
SCALE IN FEET

LEGEND

- TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIEL ARROW SIGN
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3B.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	12:52:13 PM				10	WASH	
DATE	11/30/2021						
PLOTTED BY	haukapa				JOB NUMBER		
DESIGNED BY	B. KOSA				21A012		
ENTERED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

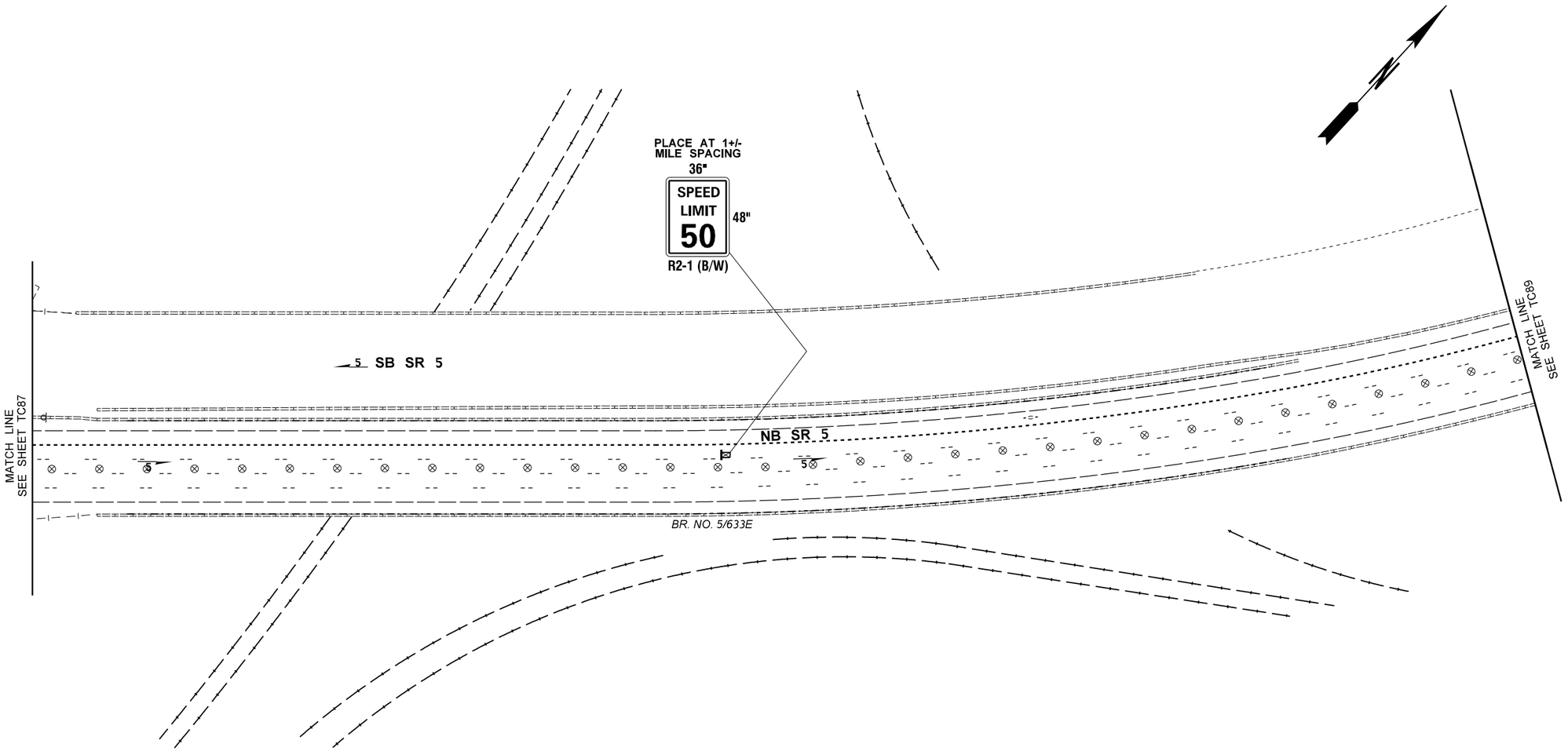
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 92

PLAN REF NO
TC87

SHEET
226
OF
240
SHEETS



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TRAFFIC CONTROL PLAN
STAGE 3B

0 50 100
SCALE IN FEET

LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIEL ARROW SIGN
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TA TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3B.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	9:38:48 AM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

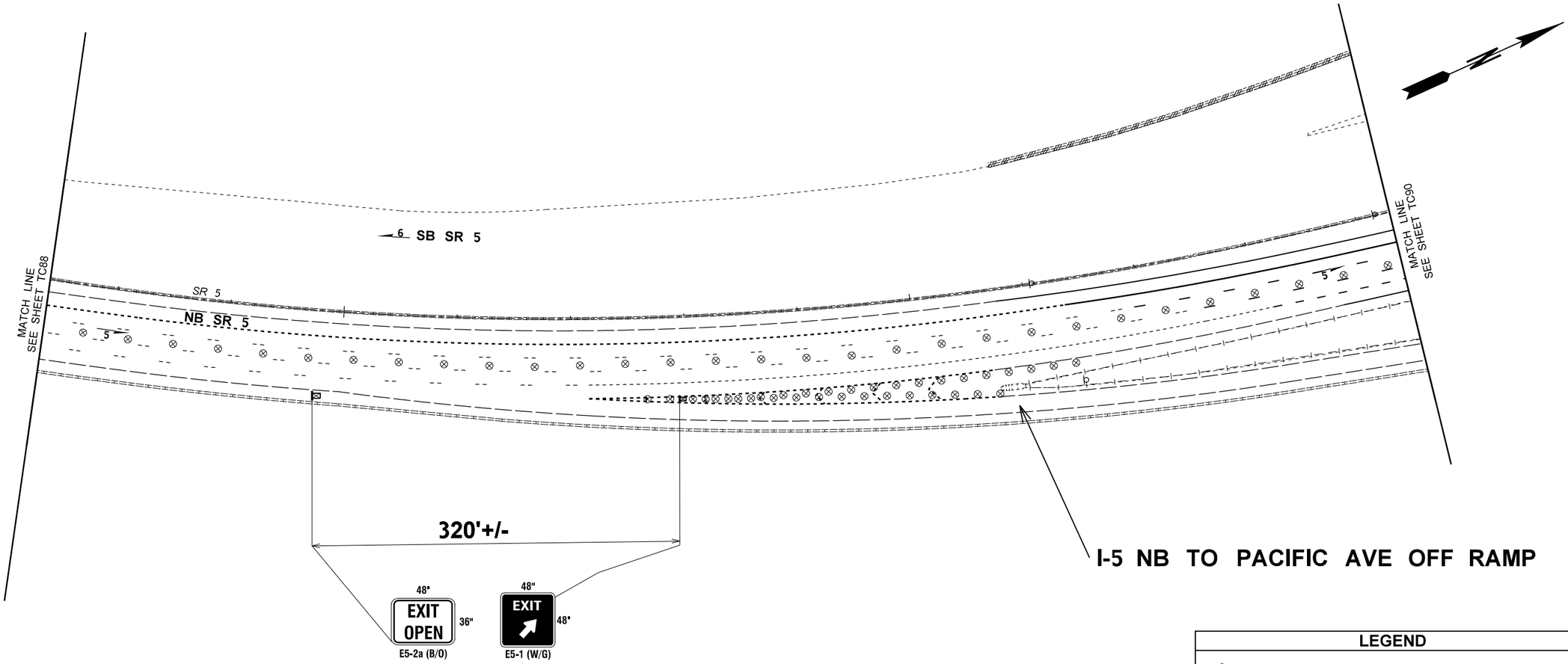
DATE
P.E. STAMP BOX

Washington State
Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 93
PLAN REF NO
TC88
SHEET
227
OF
240
SHEETS



LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIEL ARROW SIGN
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- WORK ZONE
- TRANSPORTABLE ATTENUATOR

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TRAFFIC CONTROL PLAN
STAGE 3B

0 50 100
SCALE IN FEET

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3B.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	9:39:08 AM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

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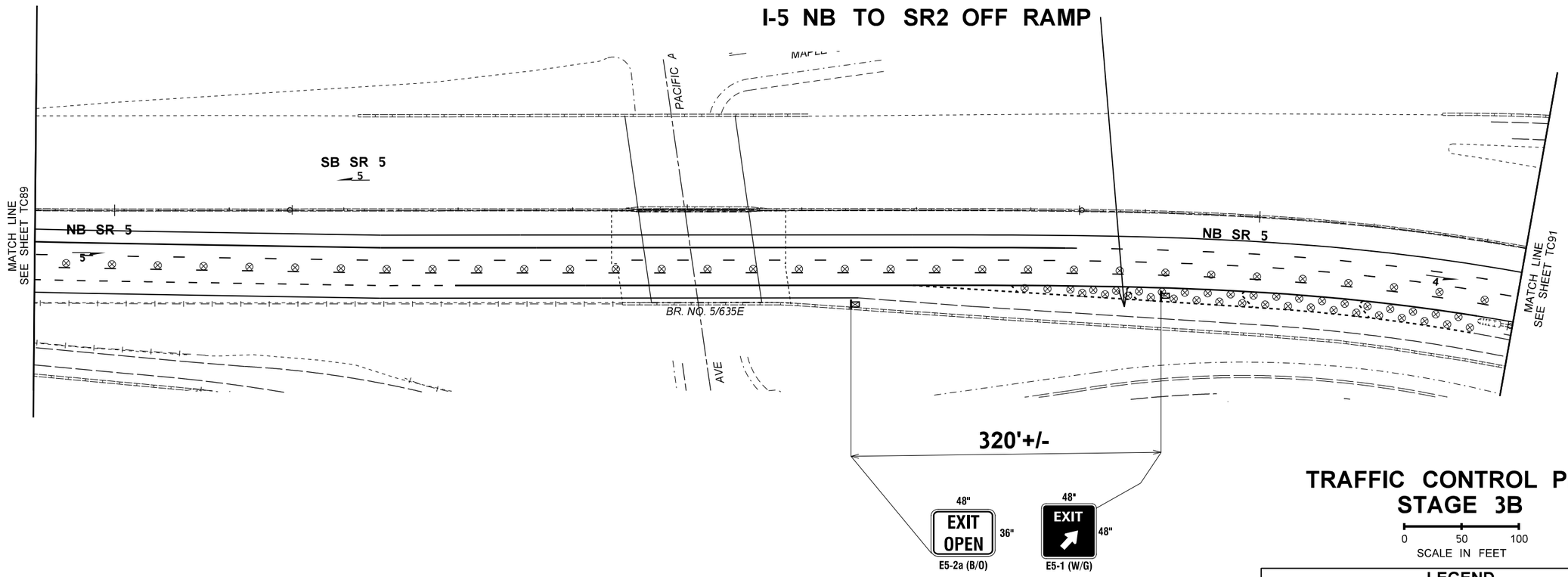
Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 94
PLAN REF NO TC89
SHEET 228 OF 231 SHEETS

I-5 NB TO SR2 OFF RAMP



TRAFFIC CONTROL PLAN
STAGE 3B

0 50 100
SCALE IN FEET

LEGEND

⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIEL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
	TRANSPORTABLE ATTENUATOR

NOTES

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SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3B.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:39:36 AM						
DATE	11/30/2021						
PLOTTED BY	haukapa				JOB NUMBER 21A012		
DESIGNED BY	B. KOSA						
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5

E SUNSET WAY VIC & NB LOWELL RD VIC

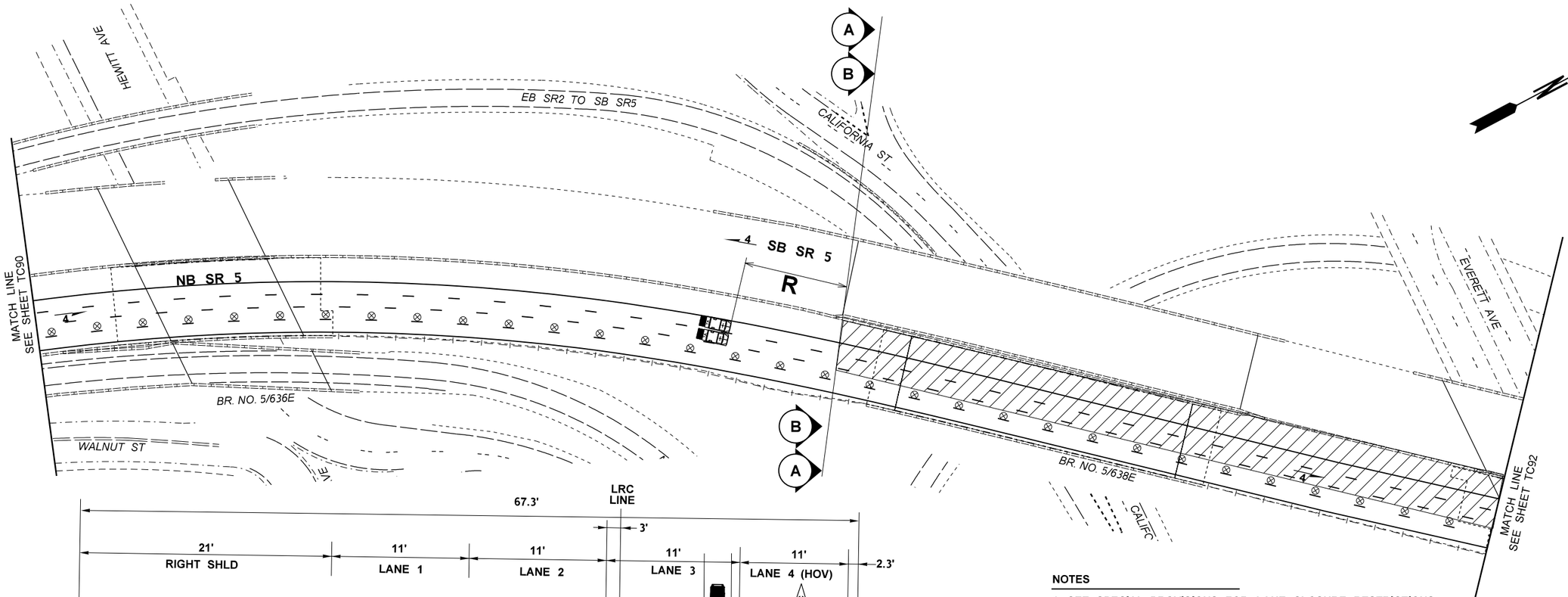
PCCP EXP JNT REHAB & DECK OVERLAY

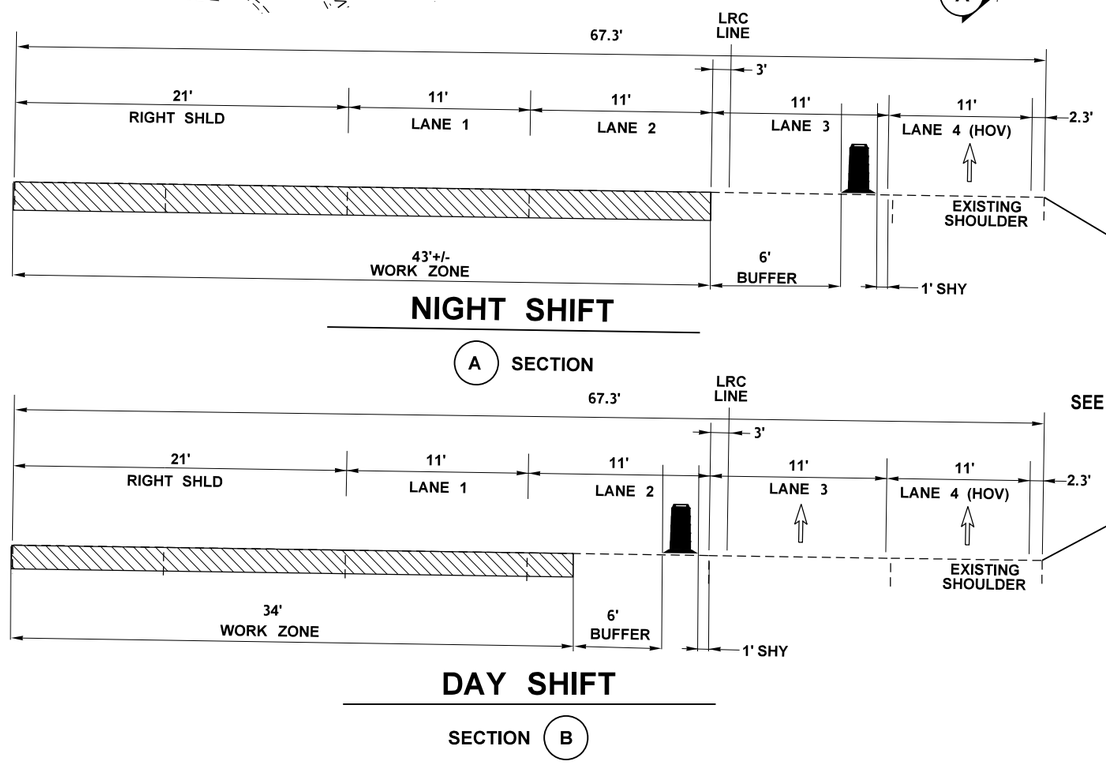
TRAFFIC CONTROL PLAN

Plot 95

PLAN REF NO TC90

SHEET 229 OF 240 SHEETS





NIGHT SHIFT

(A) SECTION

DAY SHIFT

SECTION (B)

SEE TW1-TW9 FOR TEMPORARY LANE SHIFT
SEE BC1 & BD1 FOR EXISTING LANE CONFIGURATION

NOTES

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TRAFFIC CONTROL PLAN STAGE 3B

0 50 100
SCALE IN FEET

LEGEND

⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
▸▸▸	SEQUENTIEL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
TA	TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3B.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	9:40:02 AM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5

E SUNSET WAY VIC & NB LOWELL RD VIC

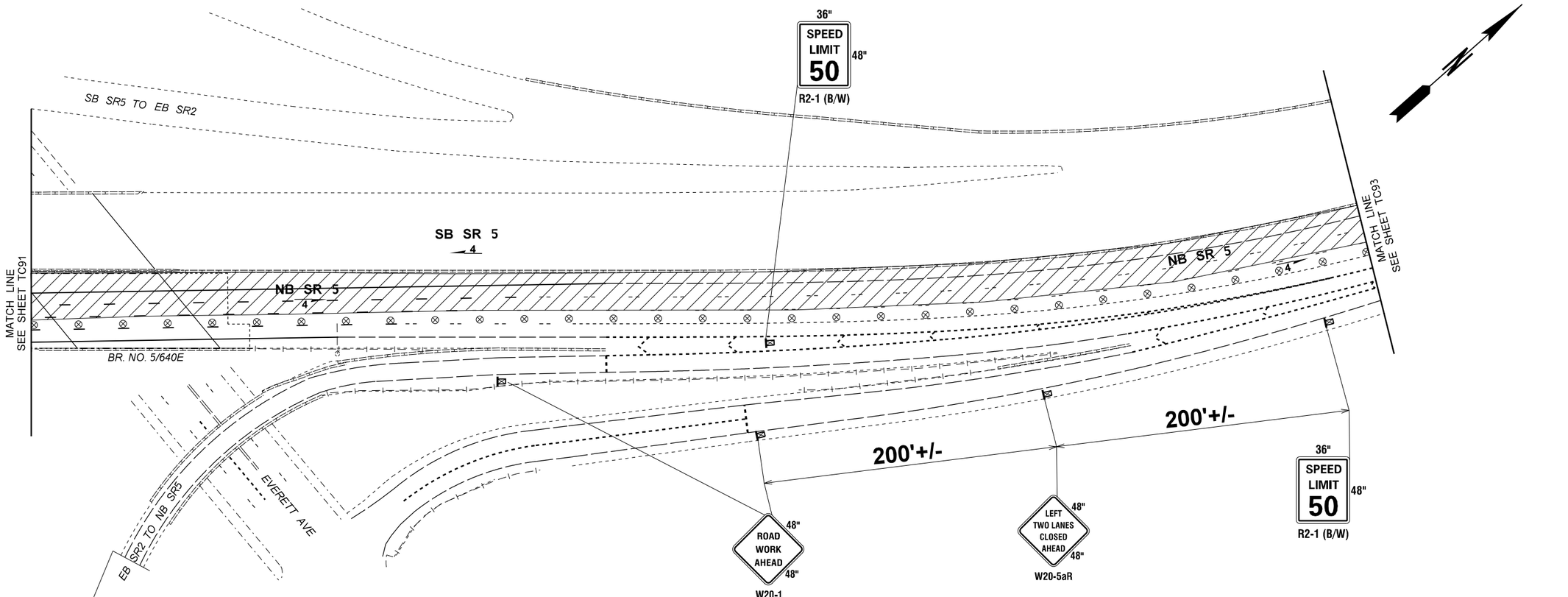
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 96

PLAN REF NO TC91

SHEET 230 OF 240 SHEETS



PCMS	
1	2
ROAD WORK AHEAD	REDUCED SPEED AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE .5 MILE IN ADVANCE OF ROAD WORK

0 50 100
SCALE IN FEET

TRAFFIC CONTROL PLAN STAGE 3B

LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
- CONSTRUCTION SIGN CLASS B
- SEQUENTIEL ARROW SIGN
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- WORK ZONE
- TRANSPORTABLE ATTENUATOR

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8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish RIver_PCCP & Expansion Joint Rehab\CAD FIles\PS&E\XL6261_PS_TC2_3B.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:40:33 AM						
DATE	11/30/2021						
PLOTTED BY	haukapa				JOB NUMBER 21A012		
DESIGNED BY	B. KOSA						
ENTERED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

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Washington State Department of Transportation

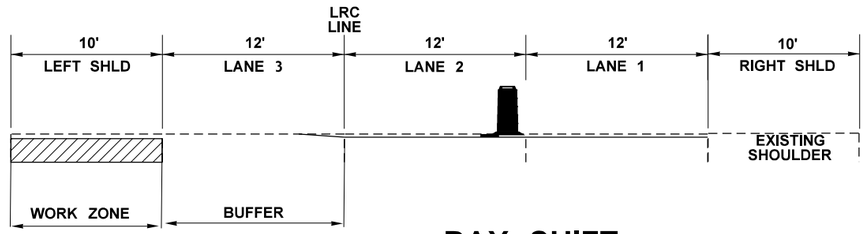
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 97

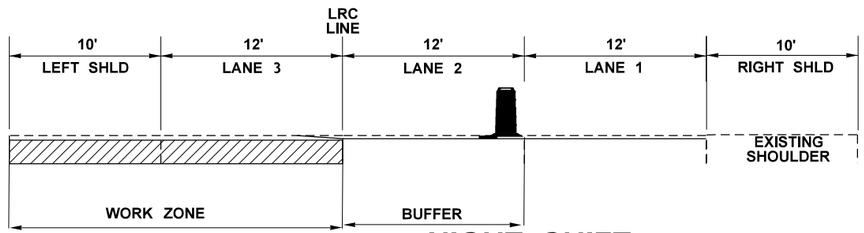
PLAN REF NO TC92

SHEET 231 OF 240 SHEETS



DAY SHIFT

SECTION (C)



NIGHT SHIFT

SECTION (D)

0 50 100
SCALE IN FEET

TRAFFIC CONTROL PLAN STAGE 3B

NOTES

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LEGEND

⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIEL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
	TRANSPORTABLE ATTENUATOR

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3B.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	9:40:54 AM				10	WASH	
DATE	11/30/2021				JOB NUMBER		
PLOTTED BY	haukapa				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

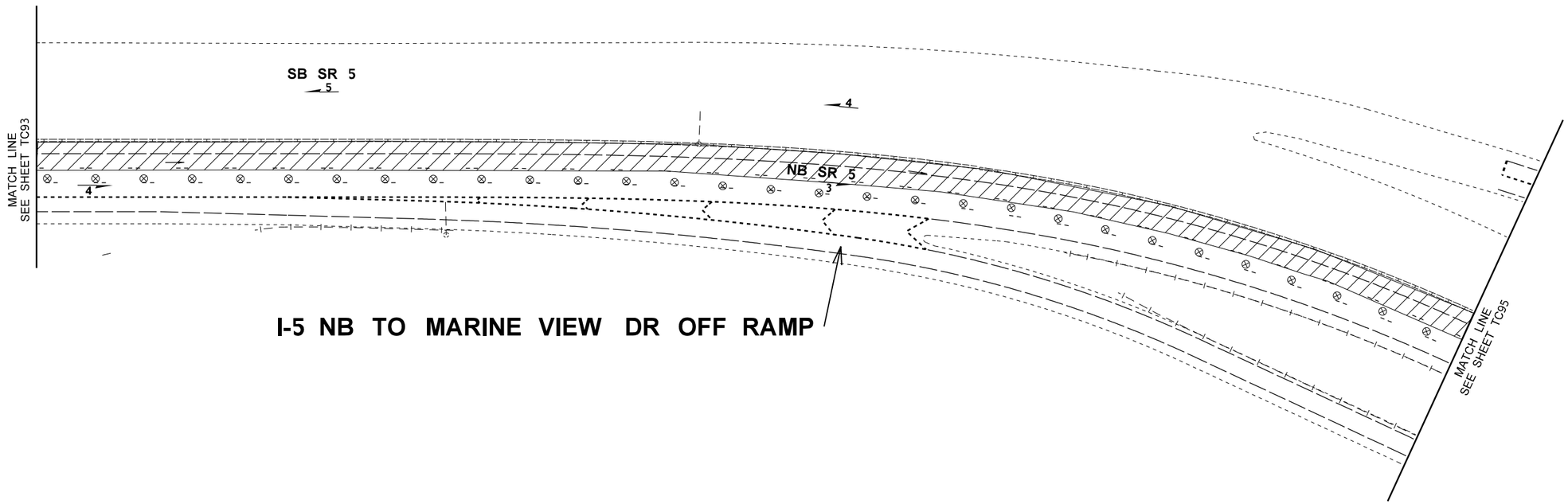
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 98

PLAN REF NO
TC93

SHEET
232
OF
240
SHEETS



I-5 NB TO MARINE VIEW DR OFF RAMP

0 50 100
SCALE IN FEET

TRAFFIC CONTROL PLAN
STAGE 3B

NOTES

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6. REDUCE DRUMS TO½SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

LEGEND

⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B (5' MOUNTING HEIGHT)
	CONSTRUCTION SIGN CLASS B
	SEQUENTIEL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
	TRANSPORTABLE ATTENUATOR

0 50 100
SCALE IN FEET

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3B.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:41:34 AM						
DATE	11/30/2021						
PLOTTED BY	haukapa				JOB NUMBER 21A012		
DESIGNED BY	B. KOSA						
ENTERED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

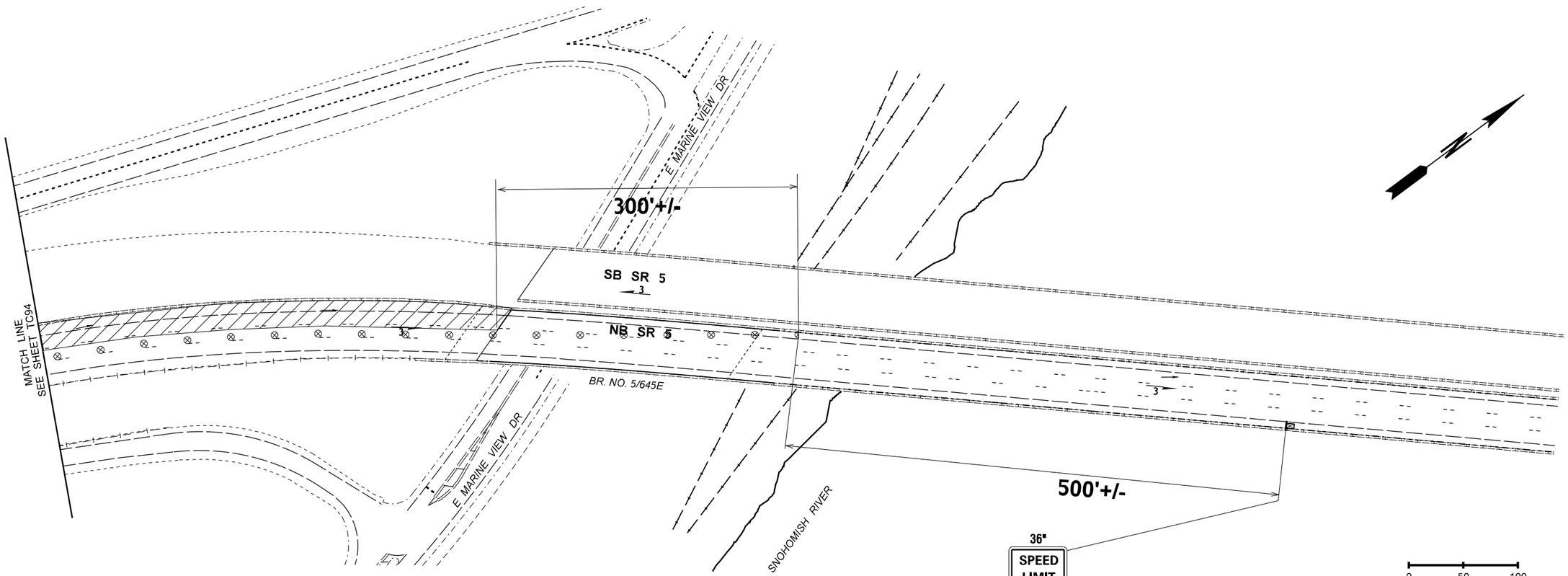
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

TRAFFIC CONTROL PLAN

Plot 99

PLAN REF NO TC94

SHEET 233 OF 240 SHEETS



0 50 100
SCALE IN FEET

TRAFFIC CONTROL PLAN
STAGE 3B

LEGEND

⊗	TRAFFIC SAFETY DRUM
	CONSTRUCTION SIGN CLASS B
	SEQUENTIEL ARROW SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
	WORK ZONE
TA	TRANSPORTABLE ATTENUATOR

NOTES

1. SEE SPECIAL PROVISIONS FOR LANE CLOSURE RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' WHEN WORK OPERATION ALLOWS.
4. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
5. ALL SIGNS ARE BLACK ON ORANGE, 48"x48" UNLESS STATED OTHERWISE.
6. REDUCE DRUMS TO½SPACING THRU WORK ZONE AS WELL AS CLOSED RAMP SECTION.
7. PLACE WARNING SIGNING ON BOTH SIDES OF ROADWAY WHERE POSSIBLE.
8. DISTANCE BETWEEN LANE CLOSURE TAPER AND ALL OPEN RAMPS SHALL BE 1000' MINIMUM.

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_TC2_3B.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:41:54 AM						
DATE	11/30/2021						
PLOTTED BY	haukapa				JOB NUMBER 21A012		
DESIGNED BY	B. KOSA						
ENTERED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

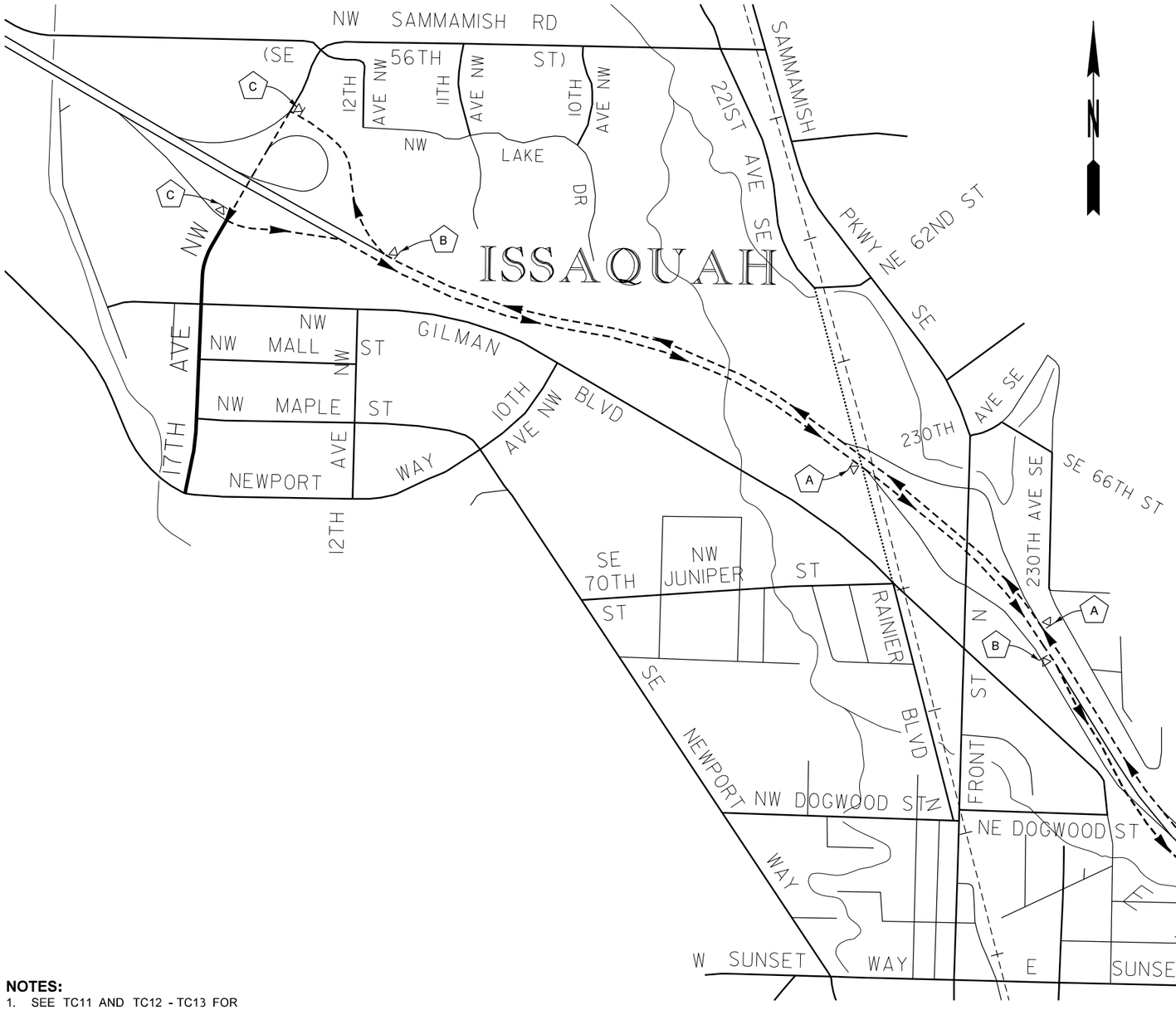
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

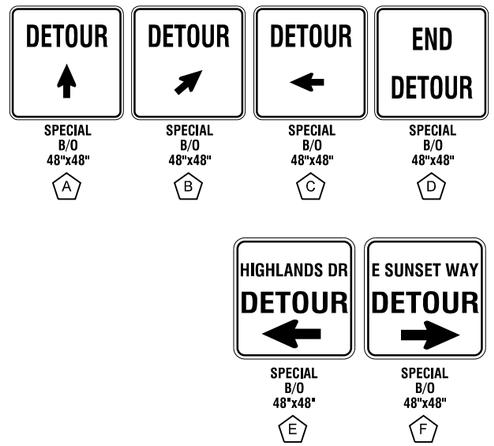
TRAFFIC CONTROL PLAN

Plot 100

PLAN REF NO TC95

SHEET 234 OF 240 SHEETS





NOTES:

1. SEE TC11 AND TC12 - TC13 FOR ADVANCE NOTICE SIGN LOCATION & DETAILS.

LEGEND

CONSTRUCTION SIGN CLASS B	
CLOSED RAMP	
DETOUR ROUTE	

DETOUR DURING
WB I-90 TO E SUNSET WAY / HIGHLANDS DR OFF-RAMP CLOSURE

N.T.S.

FILE NAME	T:\412348\XL6152 - I 90 Pave Rep\CAD\ContractPlans\XL6152_PS_42_DU.dgn					
TIME	7:30:40 PM			REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	11/16/2021			JOB NUMBER 21A012		
PLOTTED BY	leec			CONTRACT NO.		LOCATION NO.
DESIGNED BY	K. POON					
ENTERED BY	K. POON					
CHECKED BY	C. ANDERSON					
PROJ. ENGR.	C. WINNINGHAM					
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY		

PROOF COPY

P.E. STAMP BOX — DATE

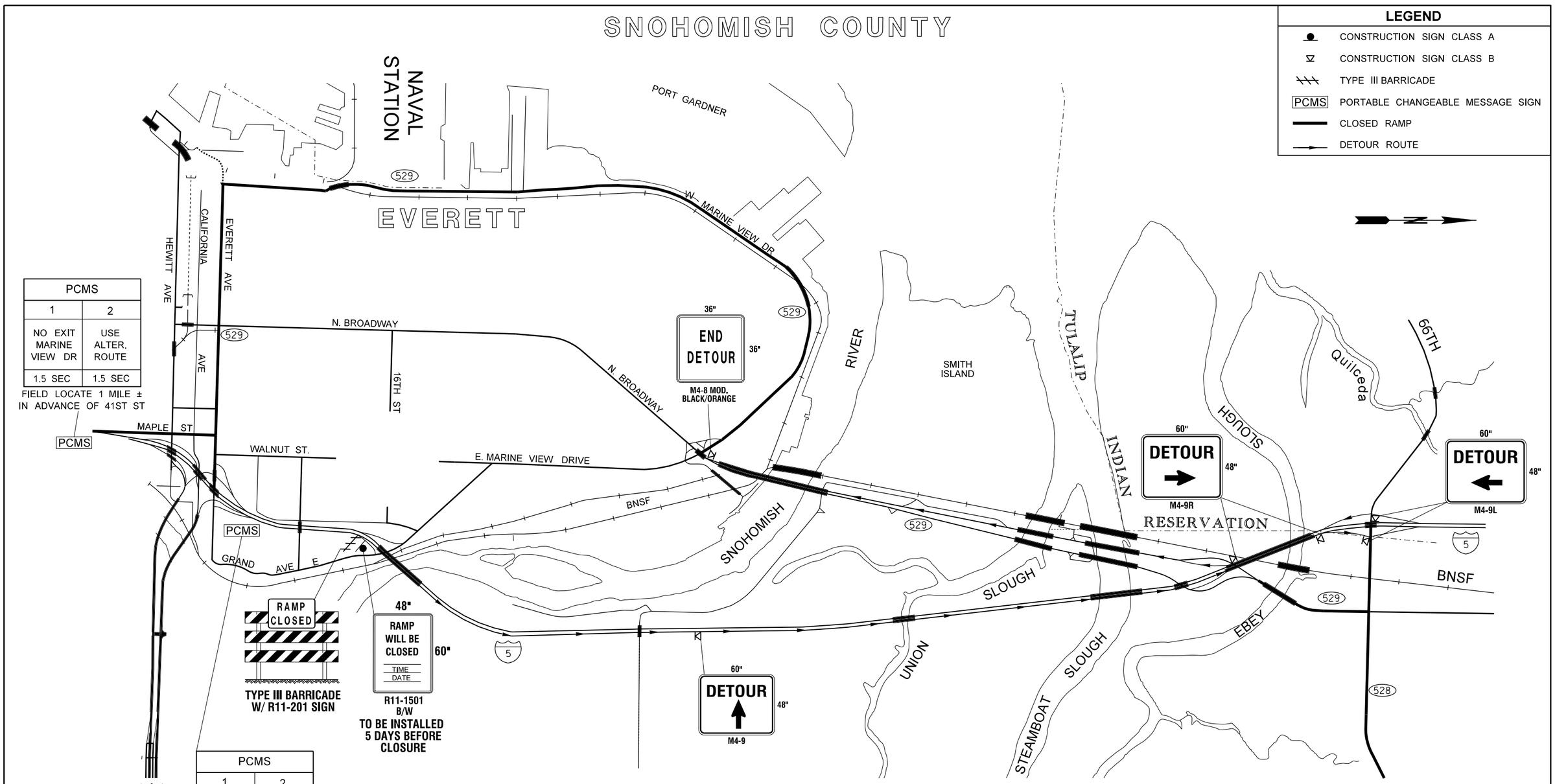
P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

DETOUR PLAN

Plot 1
PLAN REF NO DU1
SHEET 235 OF 240 SHEETS



NB I-5 TO MARINE VIEW DR OFF-RAMP CLOSURE - DETOUR ROUTE

NOT TO SCALE

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_DU.dgn				REGION NO.	STATE	FED.AID PROJ.NO.		Plot 1
TIME	10:57:56 AM				10	WASH			PLAN REF NO DU2
DATE	11/24/2021				JOB NUMBER 21A012				
PLOTTED BY	bertolt				CONTRACT NO.		LOCATION NO.		SHEET 236 OF 240 SHEETS
DESIGNED BY	B. KOSA								
ENTERED BY	B. KOSA								
CHECKED BY	L. CLAYWELL								
PROJ. ENGR.	A. EMERSON								
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY					

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

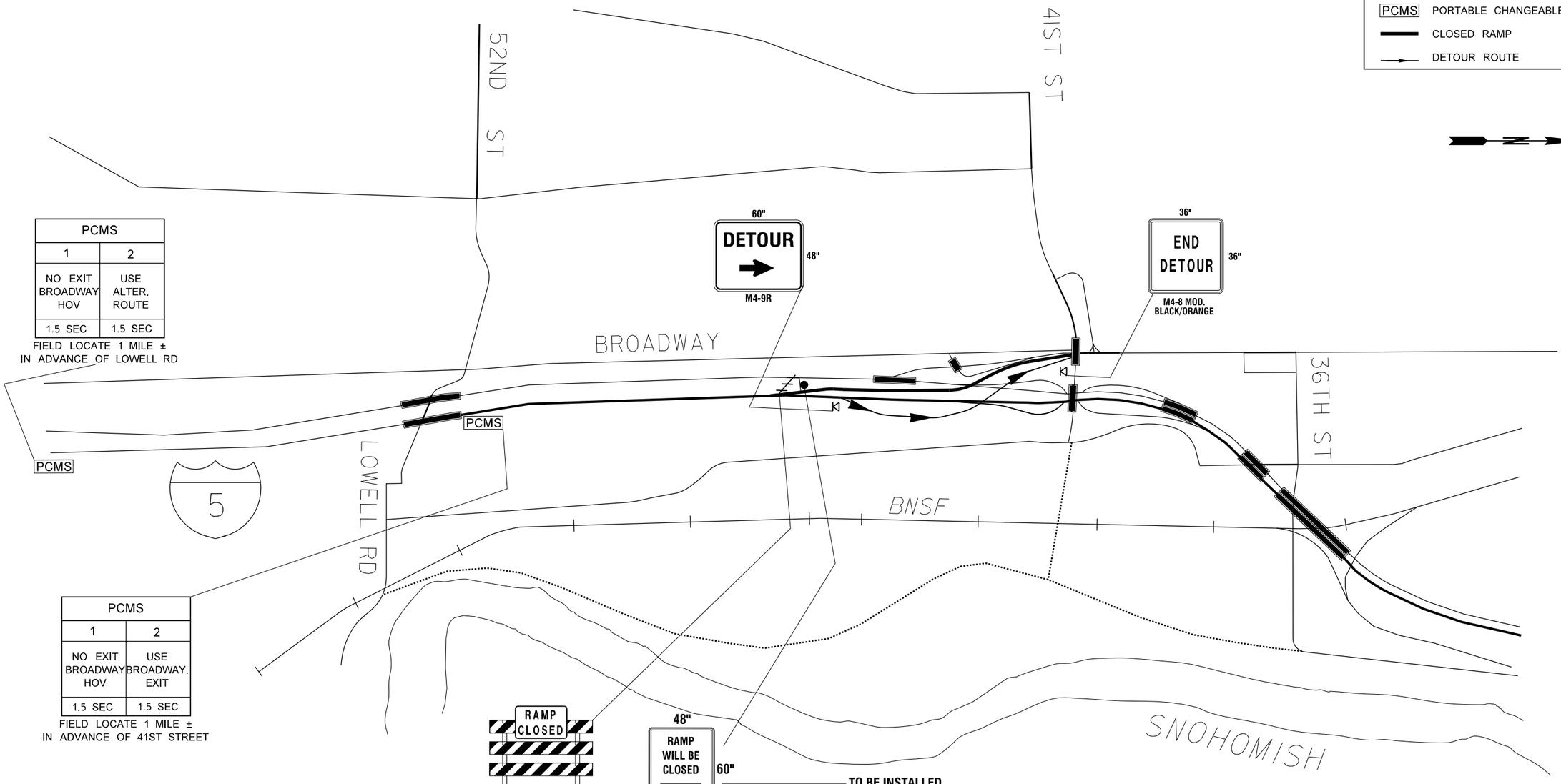
I-90 & I-5
E SUNSET WAY VIC & NB LOWELL RD VIC
PCCP EXP JNT REHAB & DECK OVERLAY

DETOUR PLAN

SNOHOMISH COUNTY

LEGEND

- CONSTRUCTION SIGN CLASS A
- CONSTRUCTION SIGN CLASS B
- TYPE III BARRICADE
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- CLOSED RAMP
- DETOUR ROUTE



PCMS	
1	2
NO EXIT BROADWAY HOV	USE ALTER. ROUTE
1.5 SEC	1.5 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LOWELL RD

PCMS	
1	2
NO EXIT BROADWAY HOV	USE BROADWAY. EXIT
1.5 SEC	1.5 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF 41ST STREET

NB I-5 TO BROADWAY OFF-RAMP HOV CLOSURE - DETOUR ROUTE

NOT TO SCALE

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_DU2.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	10:59:44 AM				JOB NUMBER 21A012		
DATE	11/24/2021				CONTRACT NO.		LOCATION NO.
PLOTTED BY	bertolt						
DESIGNED BY	B. KOSA						
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5

E SUNSET WAY VIC & NB LOWELL RD VIC

PCCP EXP JNT REHAB & DECK OVERLAY

DETOUR PLAN

Plot 1

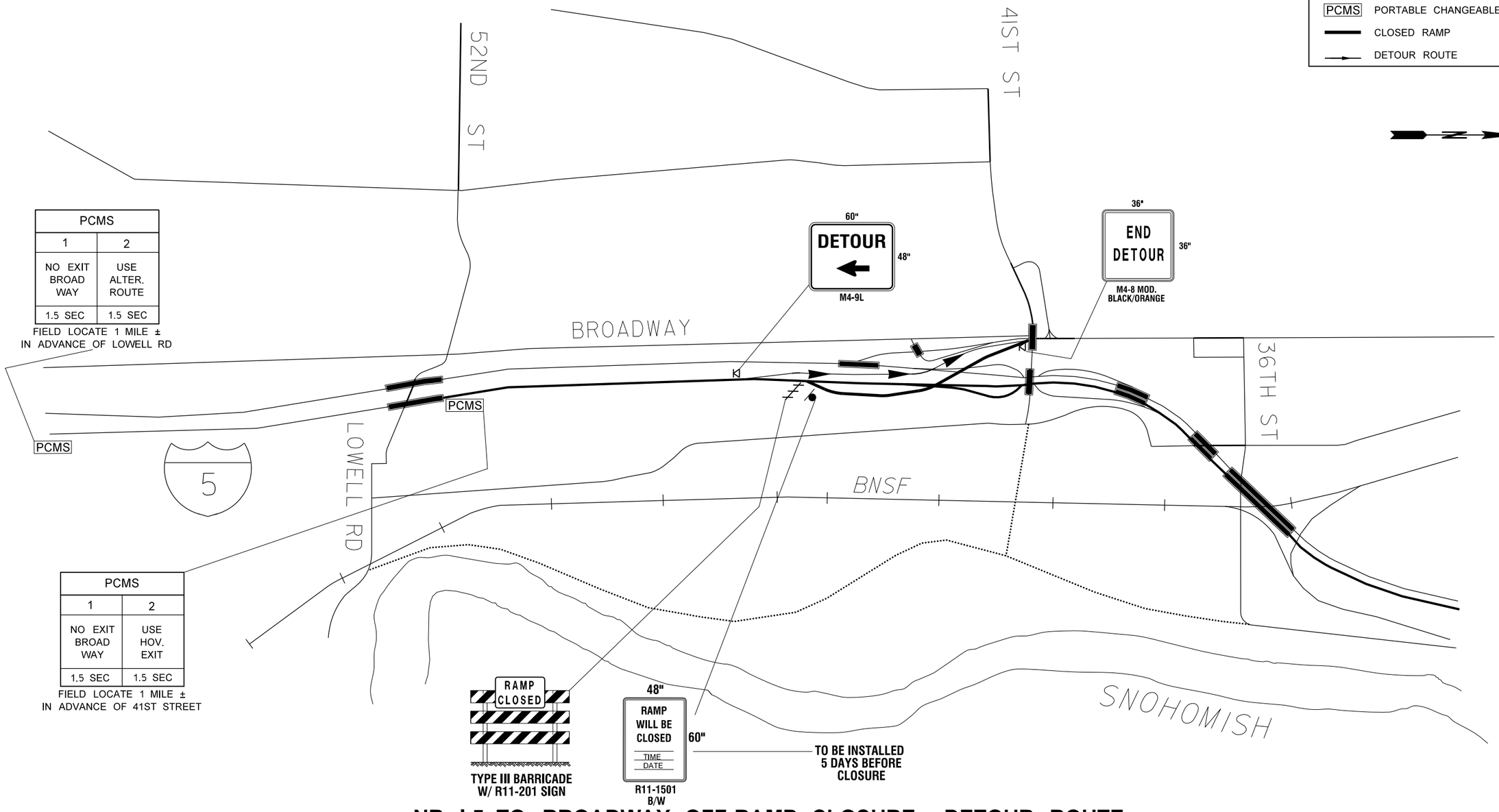
PLAN REF NO DU3

SHEET 237 OF 240 SHEETS

SNOHOMISH COUNTY

LEGEND

- CONSTRUCTION SIGN CLASS A
- CONSTRUCTION SIGN CLASS B
- TYPE III BARRICADE
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- CLOSED RAMP
- DETOUR ROUTE



NB I-5 TO BROADWAY OFF-RAMP CLOSURE - DETOUR ROUTE

NOT TO SCALE

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_DU3.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.		Plot 1
TIME	11:01:45 AM								PLAN REF NO DU4
DATE	11/24/2021				JOB NUMBER 21A012				
PLOTTED BY	bertolt								SHEET 238 OF 240 SHEETS
DESIGNED BY	B. KOSA								
ENTERED BY	B. KOSA								
CHECKED BY	L. CLAYWELL				CONTRACT NO.		LOCATION NO.		
PROJ. ENGR.	A. EMERSON								
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY					

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5

E SUNSET WAY VIC & NB LOWELL RD VIC

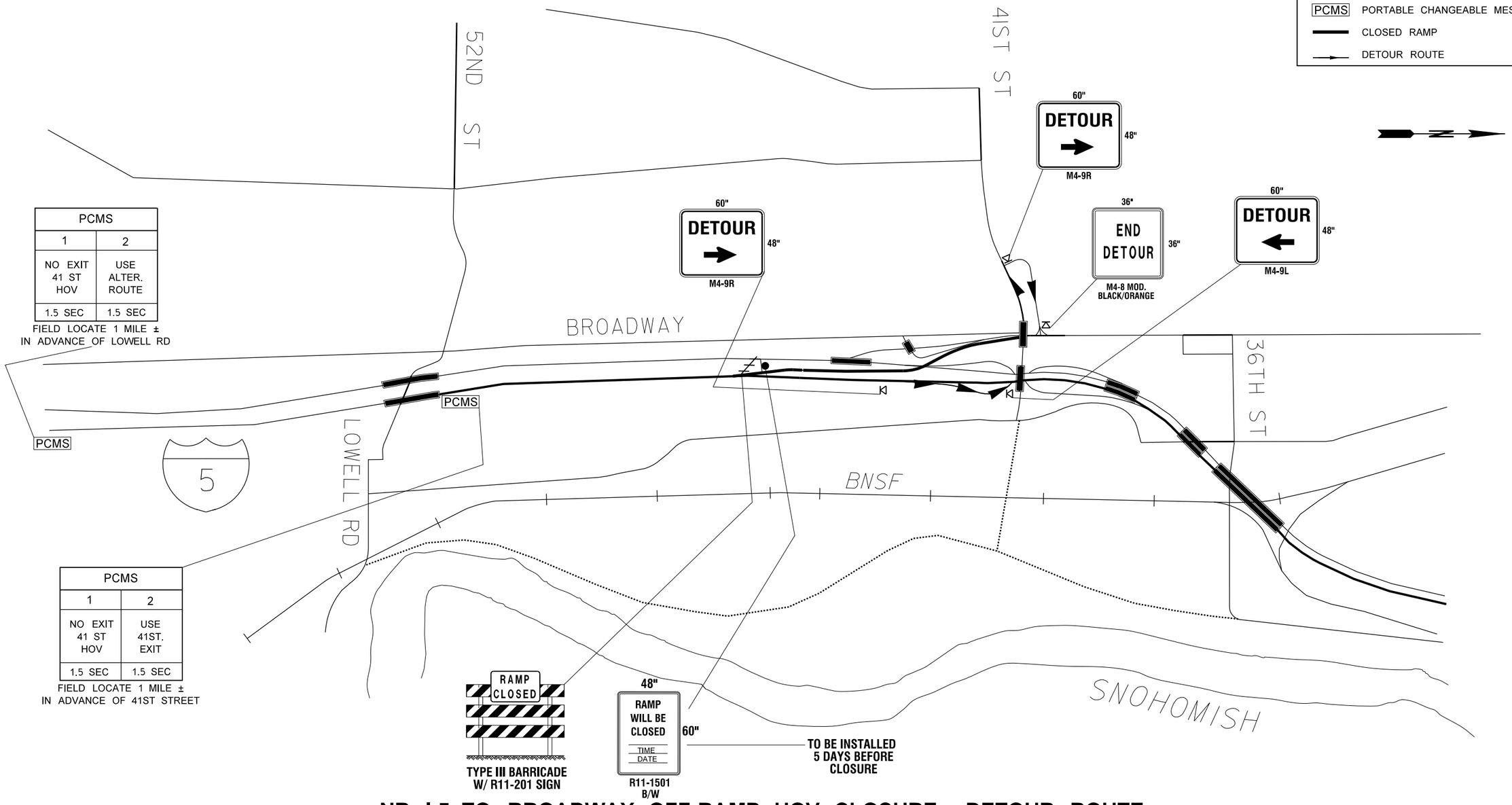
PCCP EXP JNT REHAB & DECK OVERLAY

DETOUR PLAN

SNOHOMISH COUNTY

LEGEND

- CONSTRUCTION SIGN CLASS A
- CONSTRUCTION SIGN CLASS B
- TYPE III BARRICADE
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- CLOSED RAMP
- DETOUR ROUTE



NB I-5 TO BROADWAY OFF-RAMP HOV CLOSURE - DETOUR ROUTE

NOT TO SCALE

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_DU4.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.		Washington State Department of Transportation
TIME	11:03:20 AM				JOB NUMBER 21A012				I-90 & I-5 E SUNSET WAY VIC & NB LOWELL RD VIC PCCP EXP JNT REHAB & DECK OVERLAY DETOUR PLAN
DATE	11/24/2021				CONTRACT NO.		LOCATION NO.		
PLOTTED BY	bertolt								
DESIGNED BY	B. KOSA								
ENTERED BY	B. KOSA								
CHECKED BY	L. CLAYWELL								
PROJ. ENGR.	A. EMERSON								
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY					

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Plot 1

PLAN REF NO DU5

SHEET 239 OF 240 SHEETS

SNOHOMISH COUNTY

LEGEND

- CONSTRUCTION SIGN CLASS A
- CONSTRUCTION SIGN CLASS B
- TYPE III BARRICADE
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- CLOSED RAMP
- DETOUR ROUTE

52ND ST

41ST ST

BROADWAY

36TH ST

PACIFIC AVE

LOWELL RD

BNSF

SNOHOMISH

5

PCMS	
1	2
NO EXIT 41 ST STREET	USE ALTER. ROUTE
1.5 SEC	1.5 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LOWELL RD

PCMS	
1	2
NO EXIT 41 ST STREET	USE ALTER. EXIT
1.5 SEC	1.5 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF 41ST STREET

36" END DETOUR 36" — M4-8 MOD. BLACK/ORANGE

60" DETOUR 48" — M4-9R

60" DETOUR 48" — M4-9

60" DETOUR 48" — M4-9

60" DETOUR 48" — M4-9L

60" DETOUR 48" — M4-9R

60" DETOUR 48" — M4-9L

RAMP CLOSED

TYPE III BARRICADE W/ R11-201 SIGN

48" RAMP WILL BE CLOSED 60" (TIME / DATE) — R11-1501 B/W

TO BE INSTALLED 5 DAYS BEFORE CLOSURE

NB I-5 TO 41ST STREET OFF-RAMP CLOSURE - DETOUR ROUTE

NOT TO SCALE

SECTION 2

FILE NAME	T:\412350\XL6261_I-5_NB Lowell Rd to Snohomish River_PCCP & Expansion Joint Rehab\CAD Files\PS&E\XL6261_PS_DU5.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	11:05:40 AM				10	WASH	
DATE	11/24/2021				JOB NUMBER		
PLOTTED BY	bertolt				21A012		
DESIGNED BY	B. KOSA				CONTRACT NO.		LOCATION NO.
ENTERED BY	B. KOSA						
CHECKED BY	L. CLAYWELL						
PROJ. ENGR.	A. EMERSON						
REGIONAL ADM.	M. COTTEN	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

I-90 & I-5

E SUNSET WAY VIC & NB LOWELL RD VIC

PCCP EXP JNT REHAB & DECK OVERLAY

DETOUR PLAN

Plot 1

PLAN REF NO DU6

SHEET 240 OF 240 SHEETS